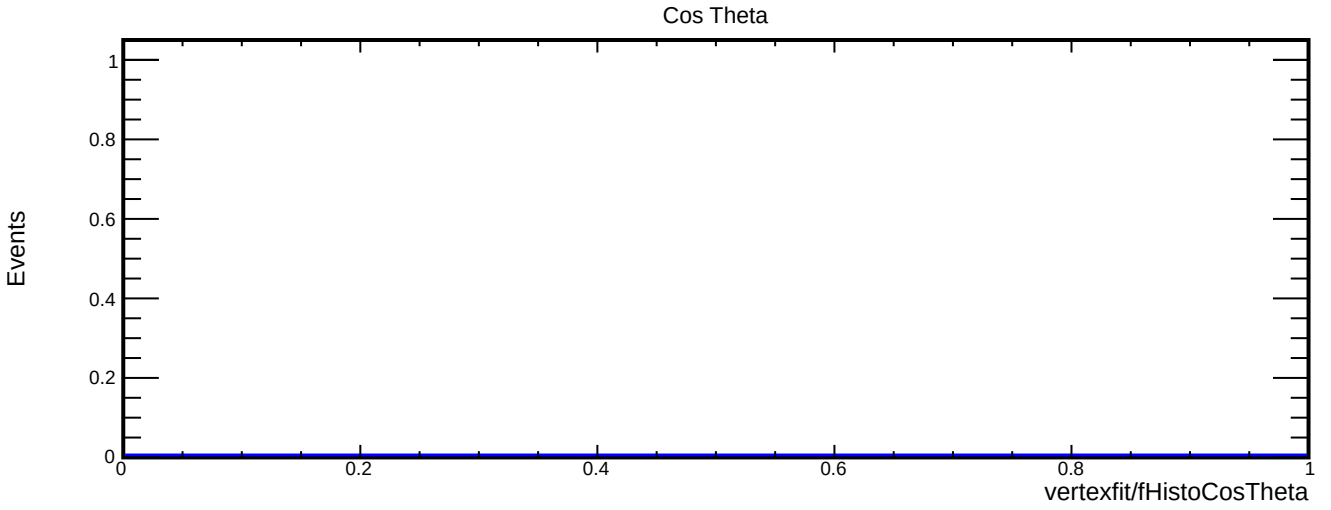
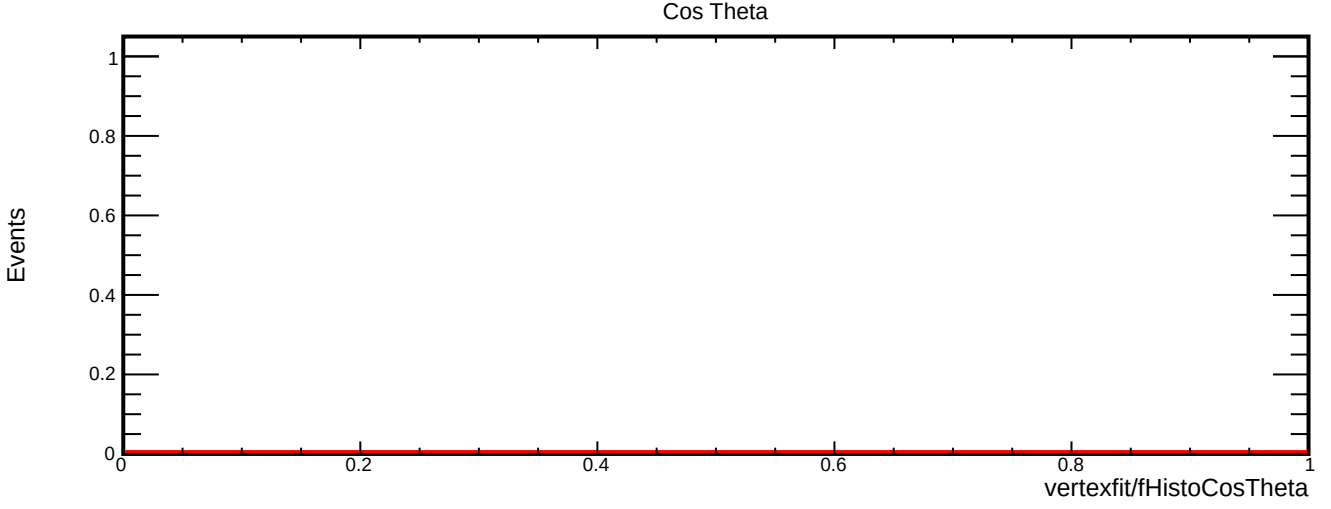
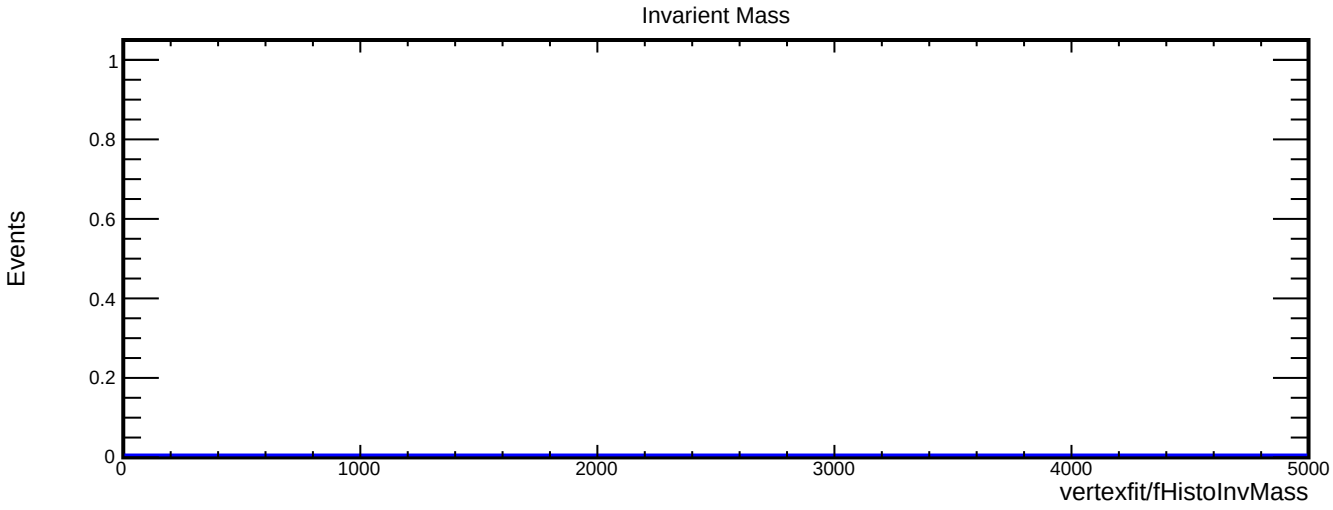
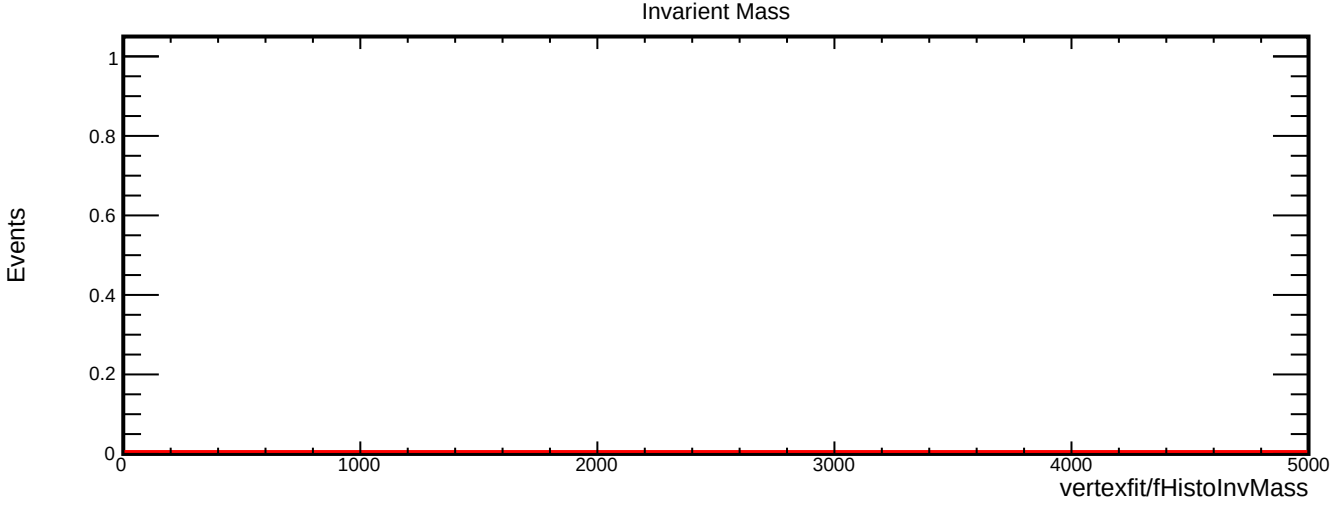
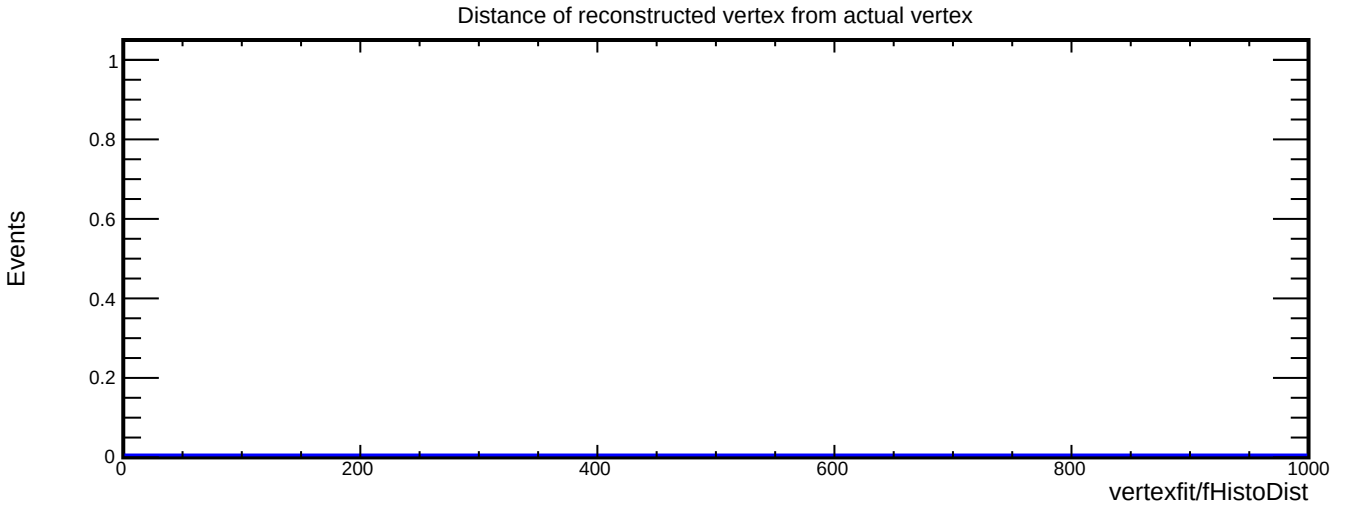
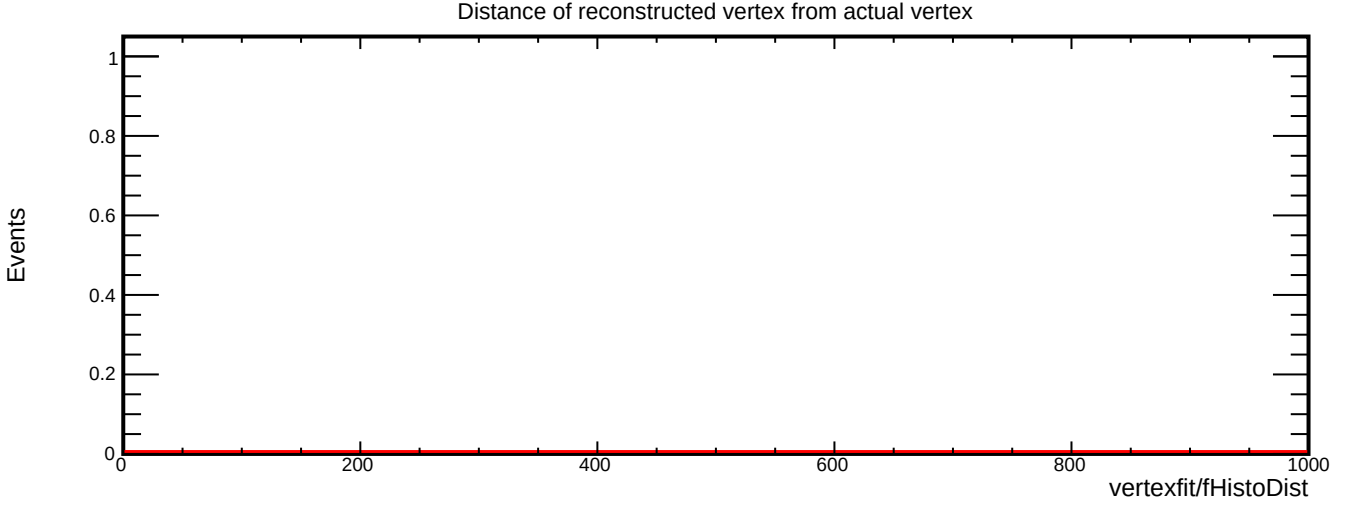

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

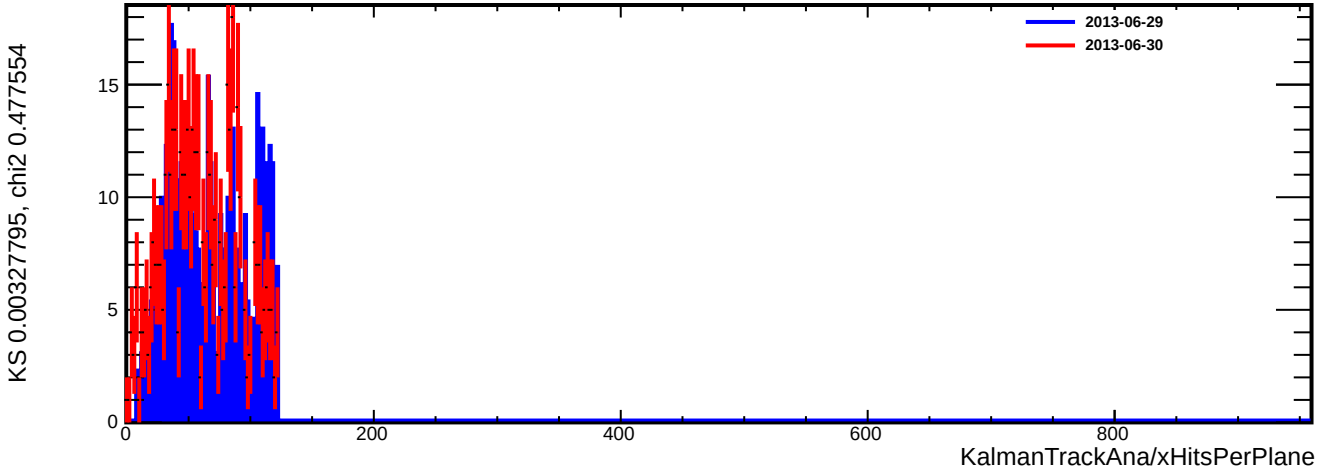

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

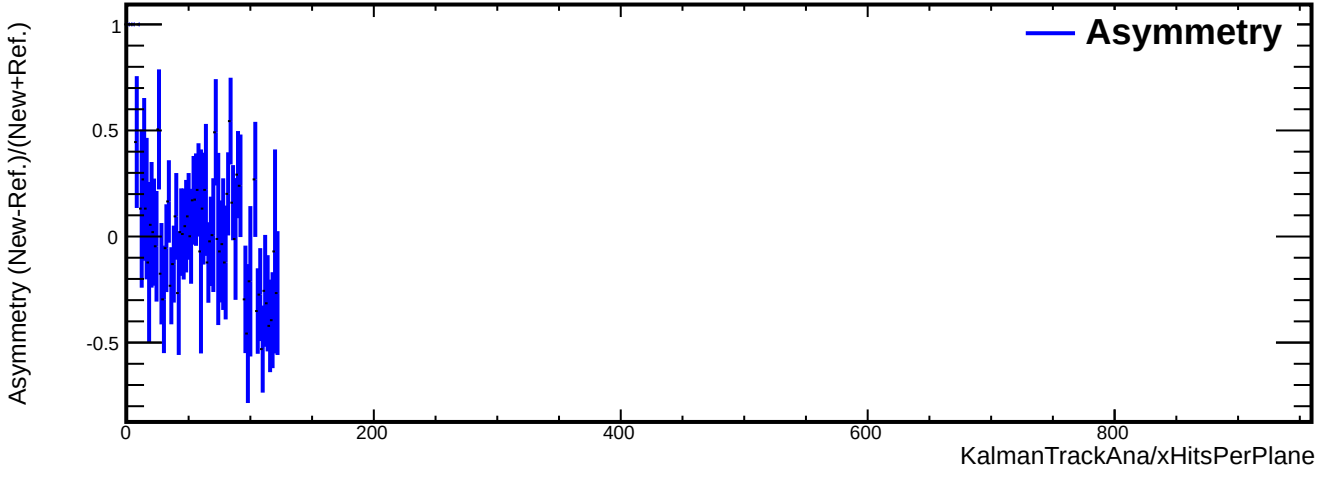

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

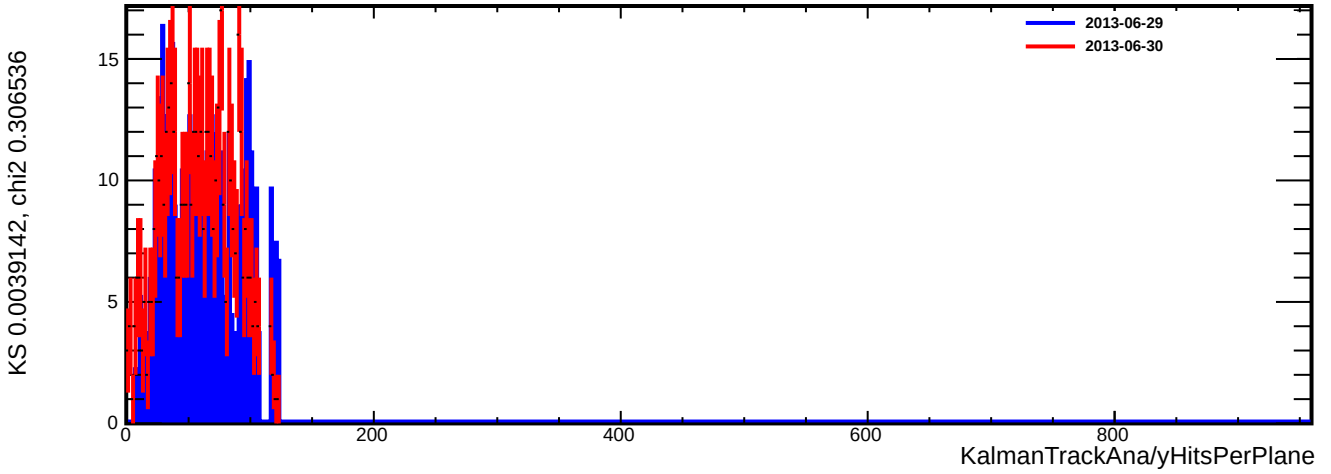

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

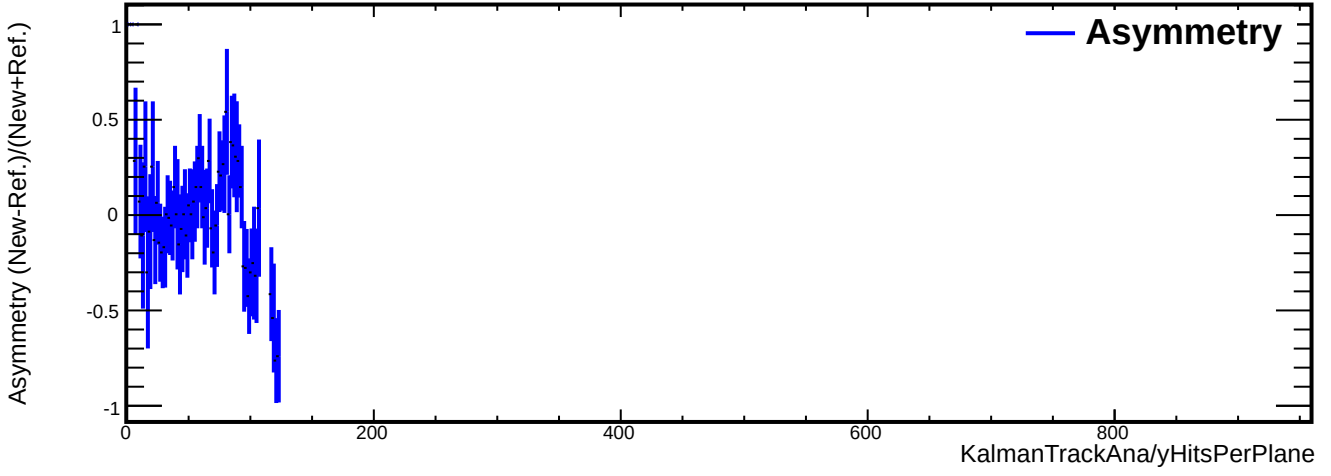

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

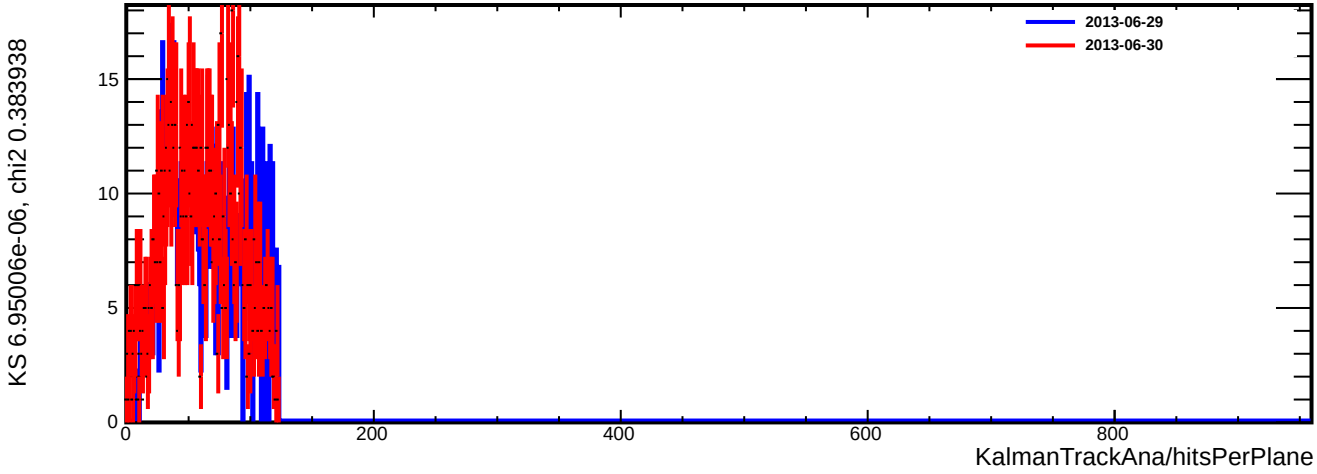

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

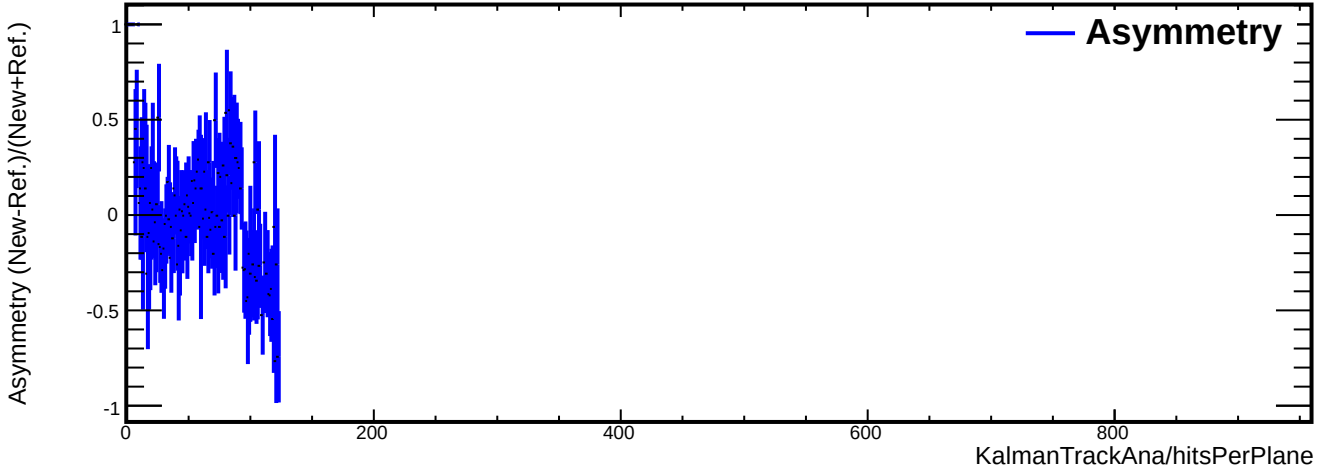

KS 0.00327795, chi2 0.477554
2013-06-29
2013-06-30
0
5
10
15
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

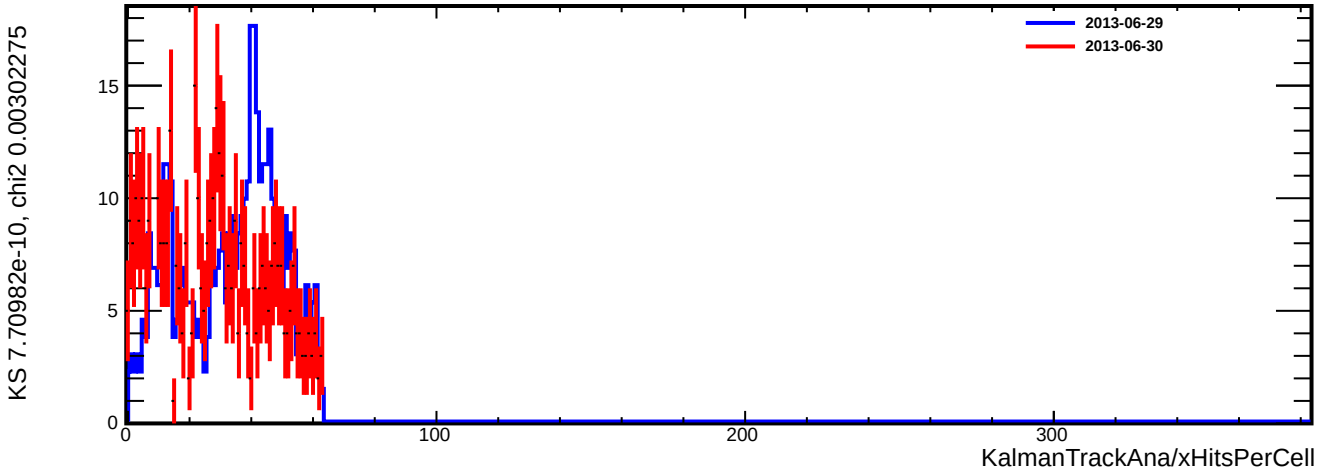

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

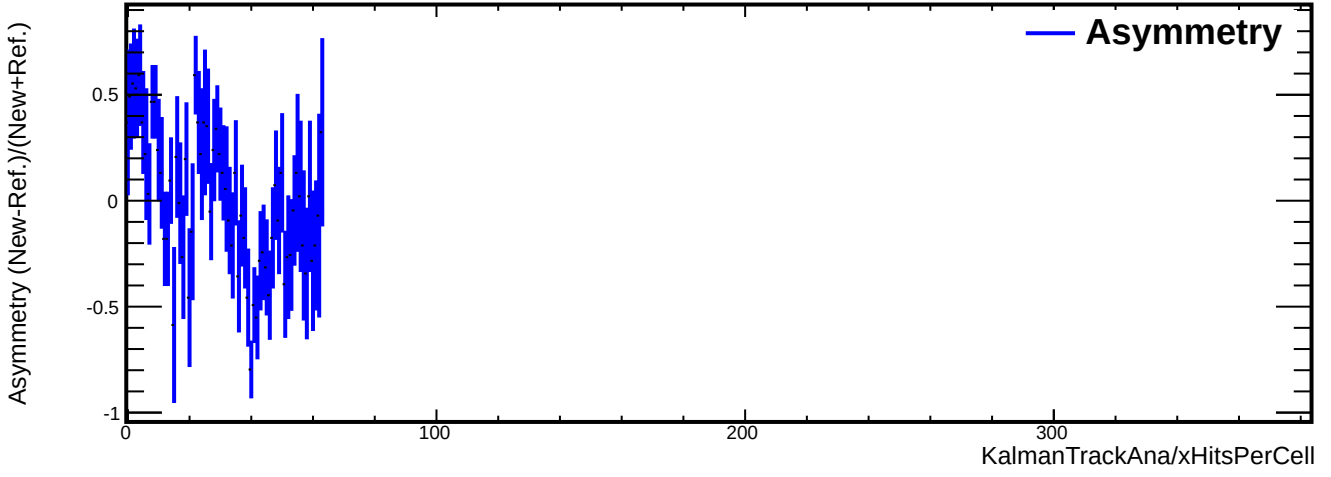

KS 0.0039142, chi2 0.306536
2013-06-29
2013-06-30
0
5
10
15
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

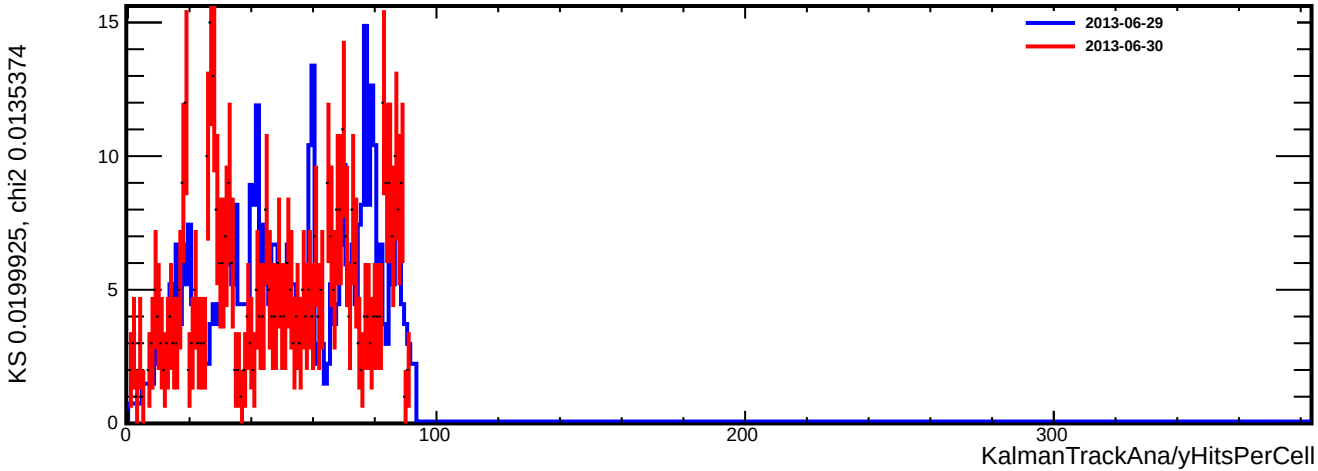

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

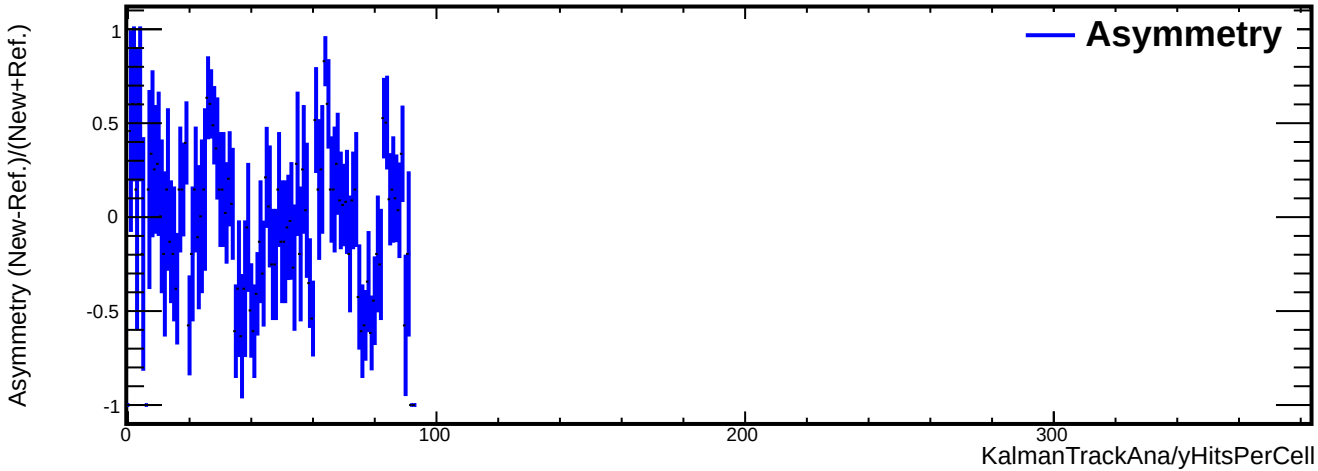

KS 6.95006e-06, chi2 0.383938
2013-06-29
2013-06-30
0
5
10
15
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

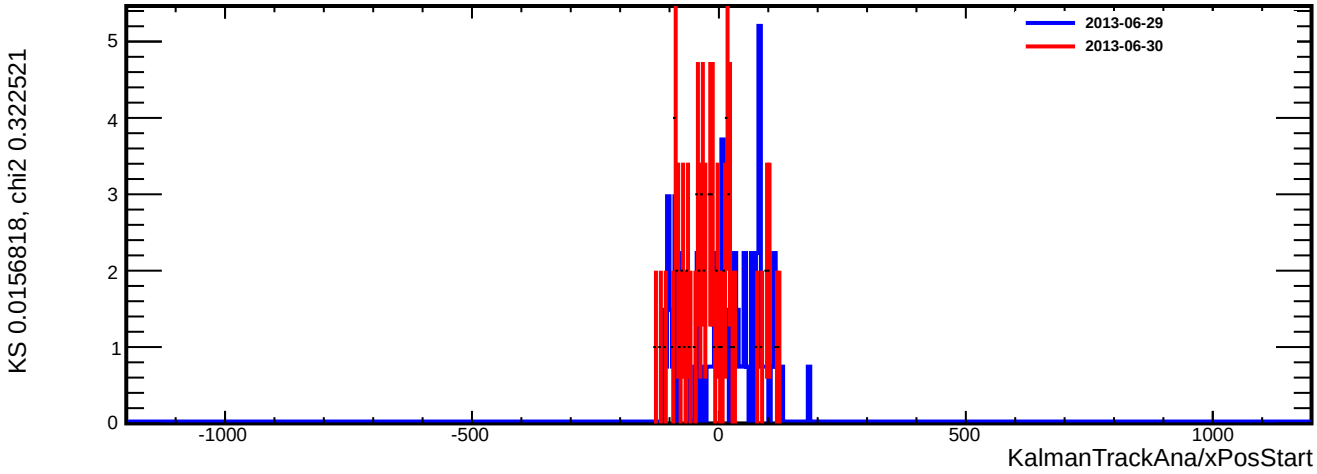

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

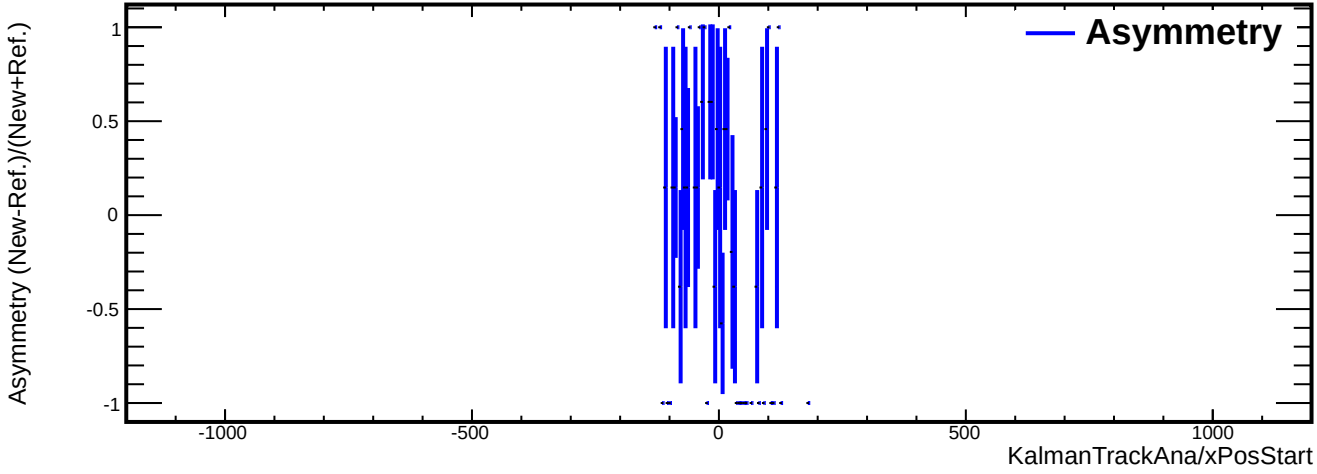

KS 7.70982e-10, chi2 0.00302275
2013-06-29
2013-06-30
0
5
10
15
0
100
200
300
KalmanTrackAna/xHitsPerCell

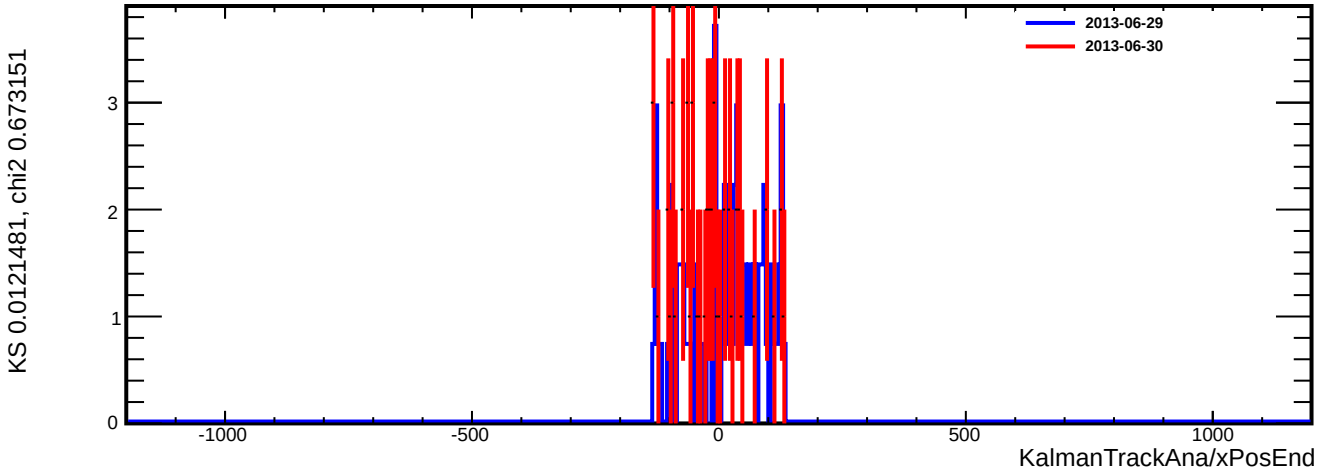

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
0
100
200
300
KalmanTrackAna/xHitsPerCell

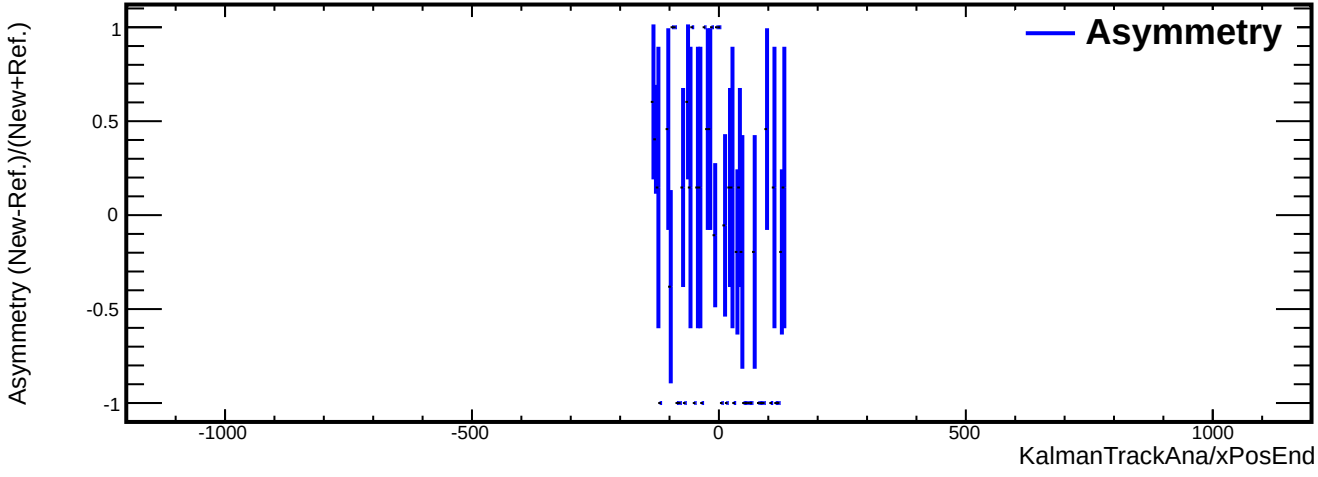

KS 0.0199925, chi2 0.0135374
2013-06-29
2013-06-30
15
10
5
0
0
100
200
300
KalmanTrackAna/yHitsPerCell

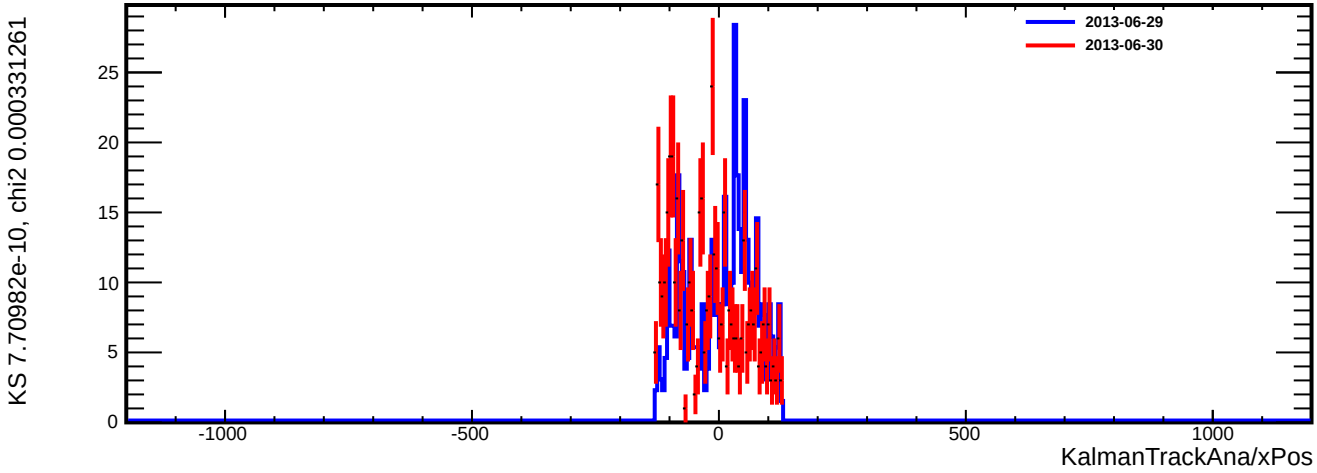

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

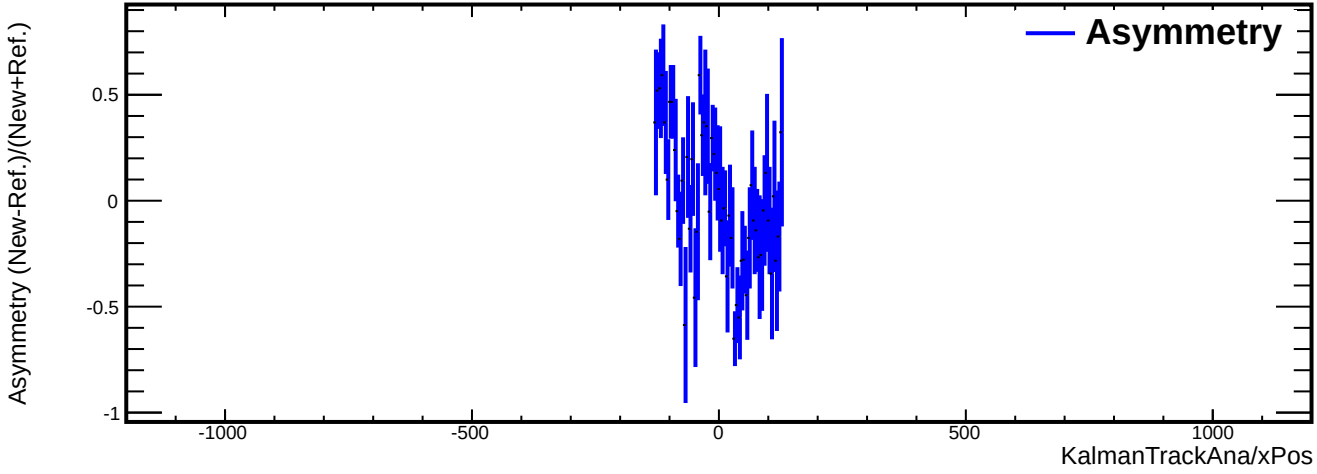

KS 0.0156818, chi2 0.322521
2013-06-29
2013-06-30
0
1
2
3
4
5
-1000
-500
0
500
1000
KalmanTrackAna/xPosStart

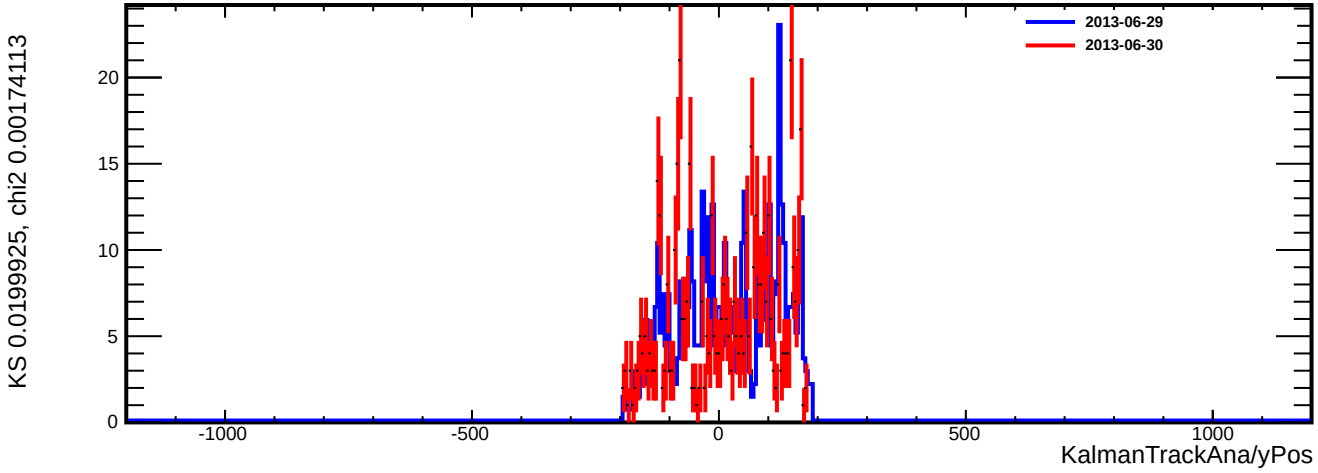

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPosStart

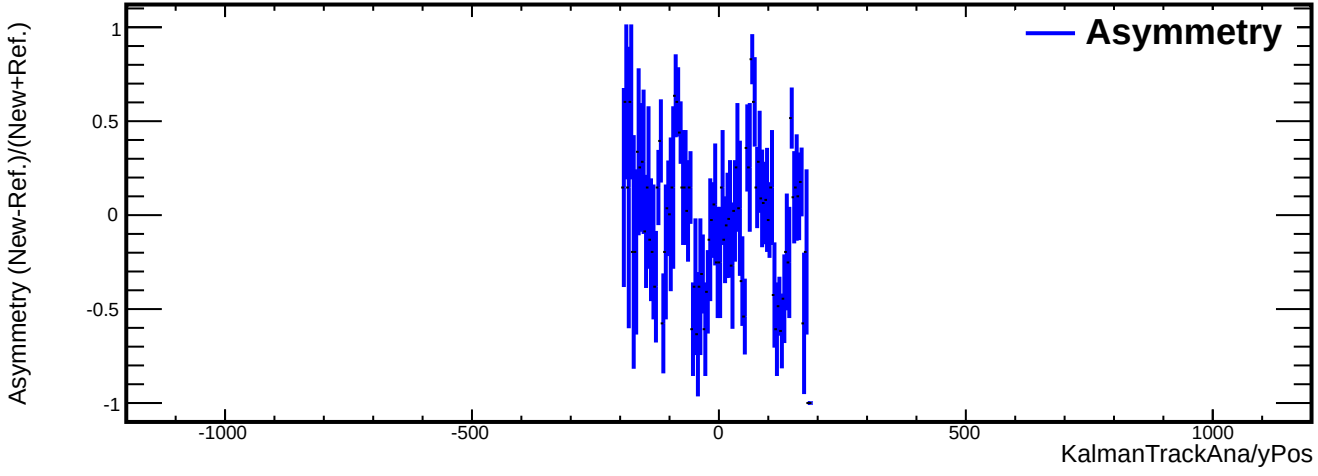

KS 0.0121481, chi2 0.673151
2013-06-29
2013-06-30
0
1
2
3
-1000
-500
0
500
1000
KalmanTrackAna/xPosEnd

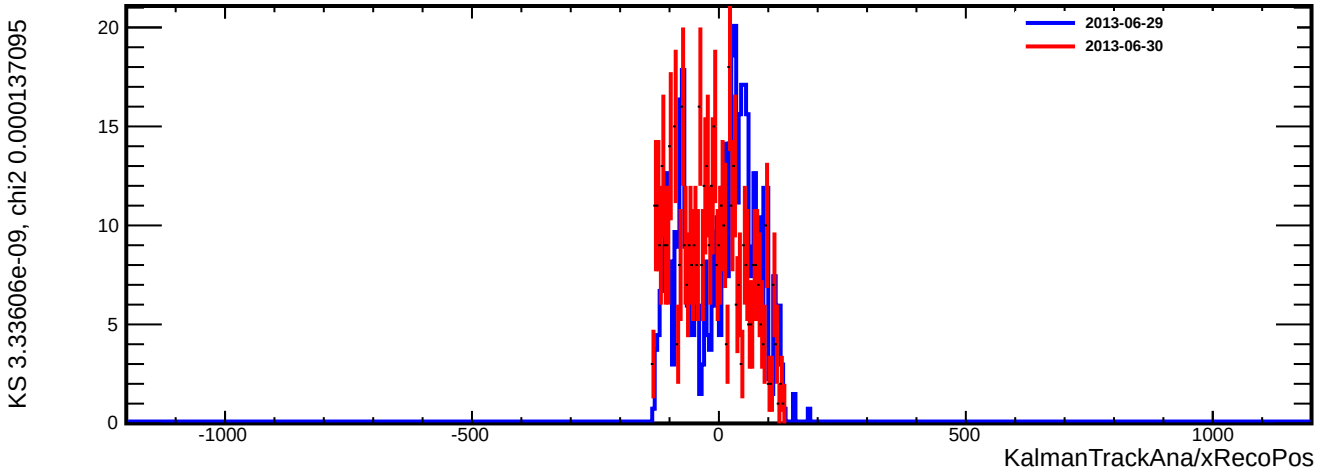

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPosEnd

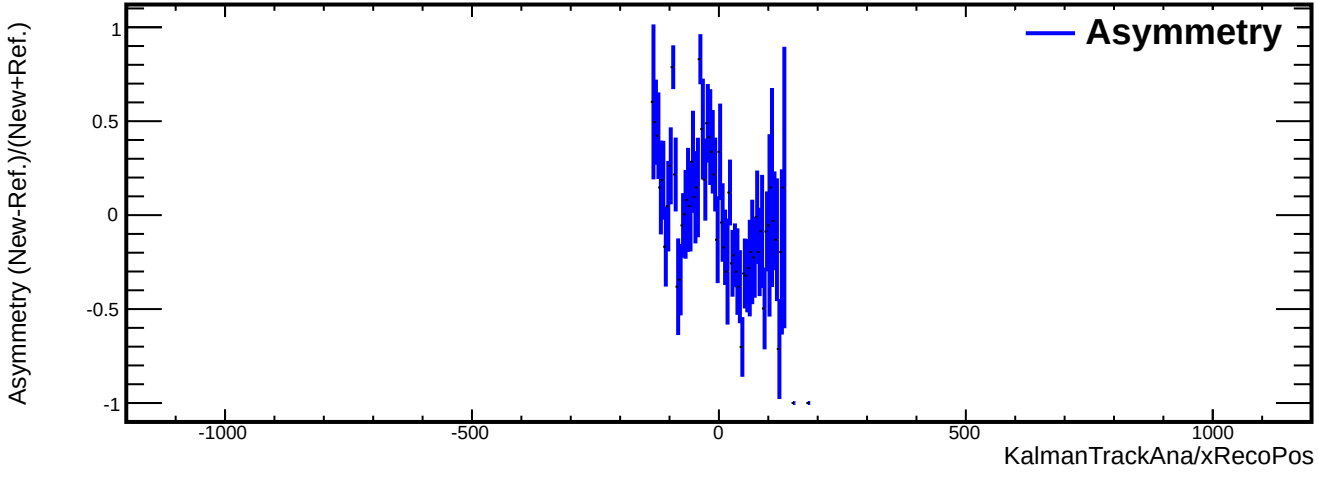

KS 7.70982e-10, chi2 0.000331261
2013-06-29
2013-06-30
0
5
10
15
20
25
-1000
-500
0
500
1000
KalmanTrackAna/xPos

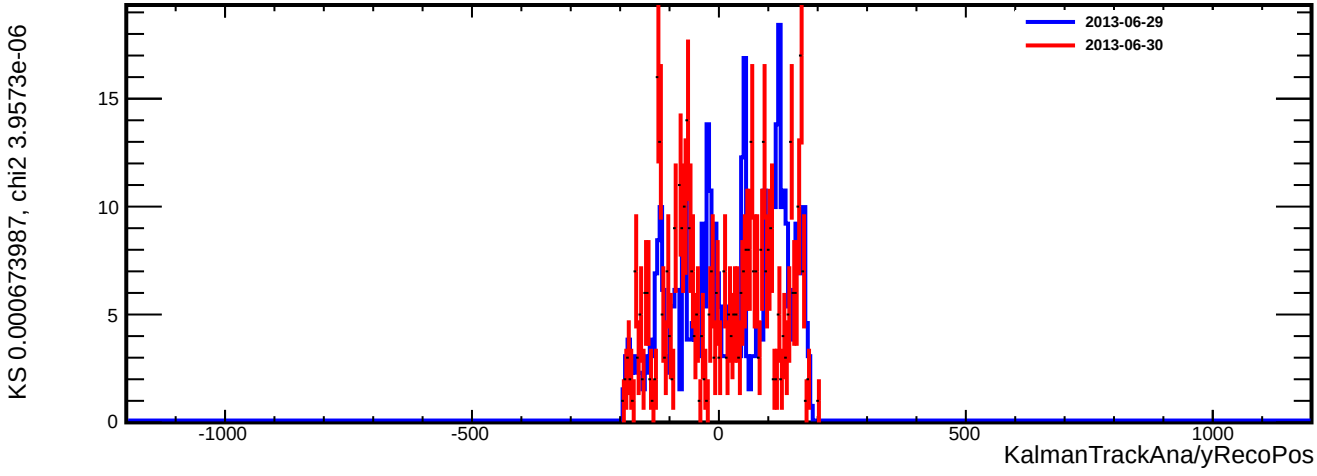

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
-1000
-500
0
500
1000
KalmanTrackAna/xPos

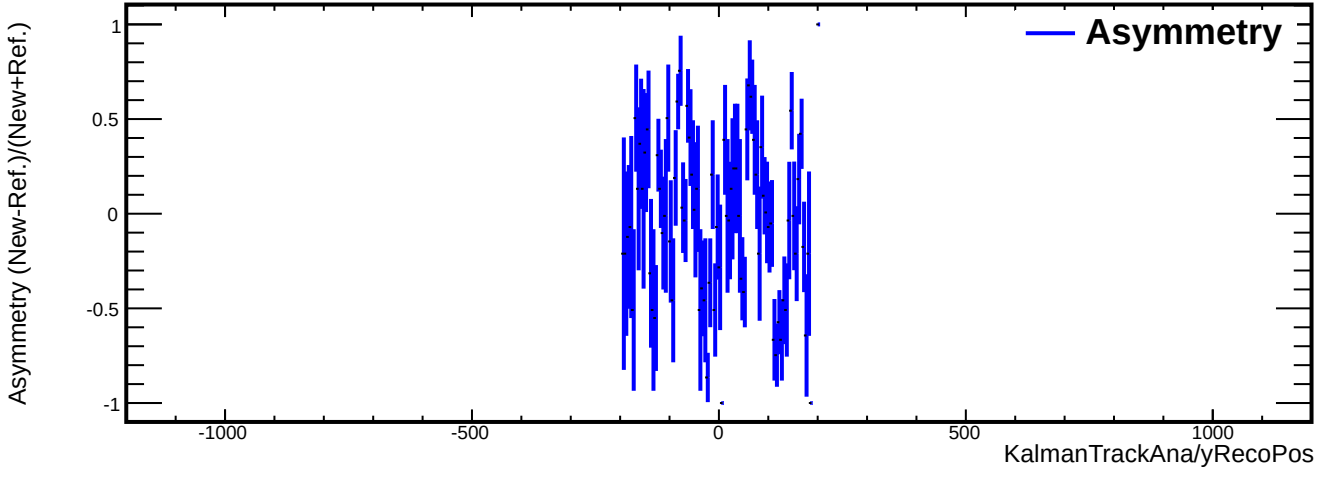

KS 0.0199925, chi2 0.00174113
2013-06-29
2013-06-30
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

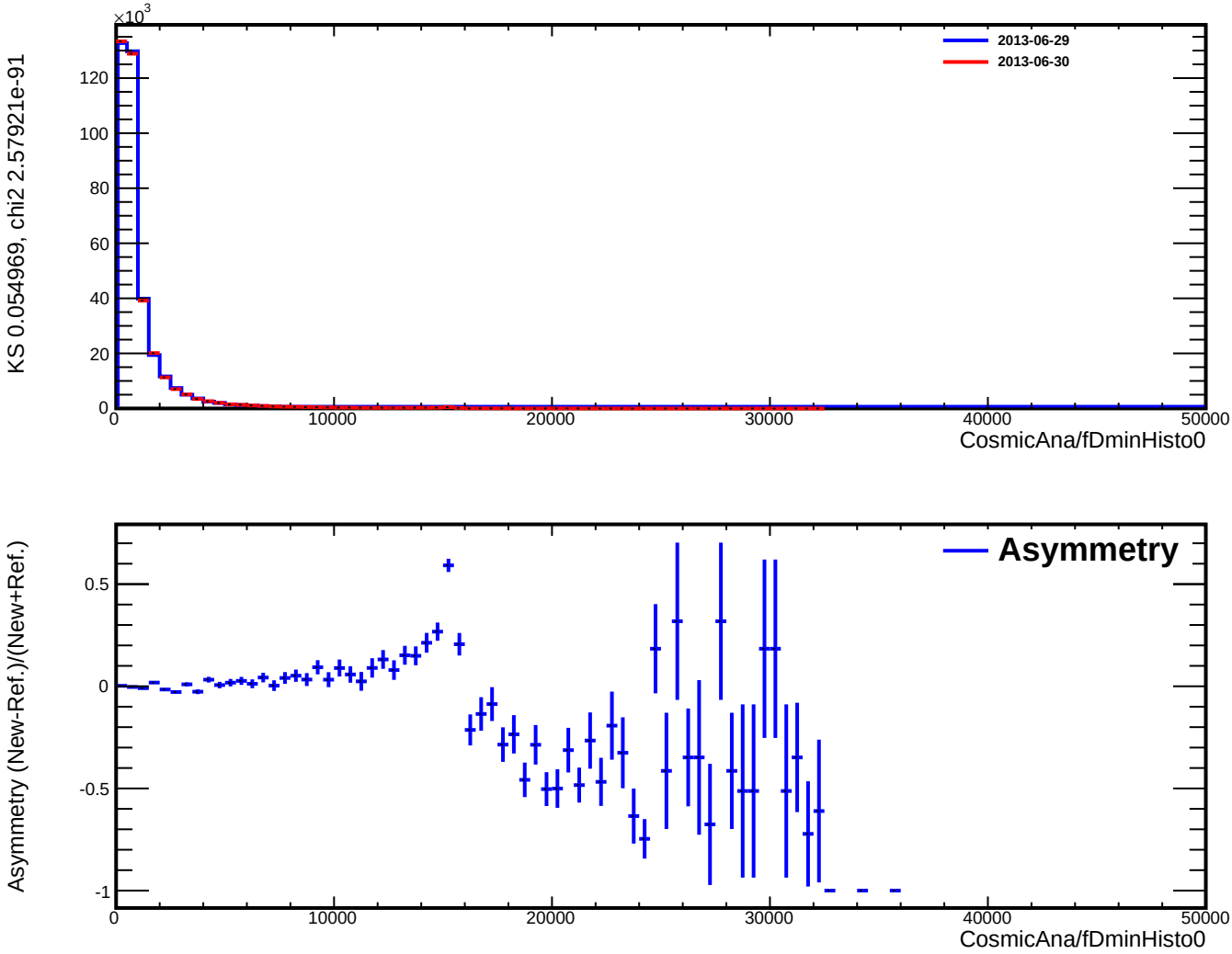

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

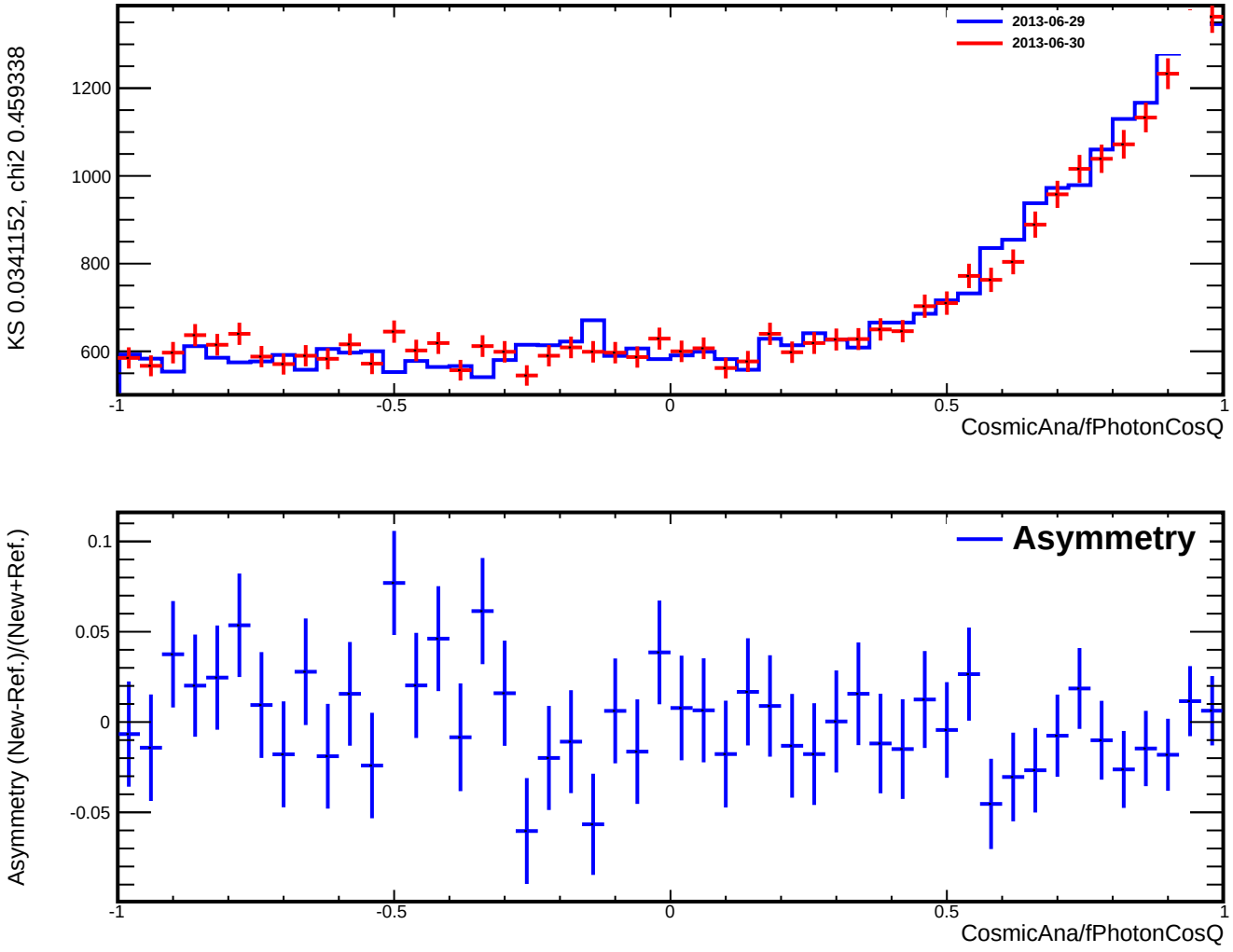

KS 3.33606e-09, chi2 0.000137095
2013-06-29
2013-06-30
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

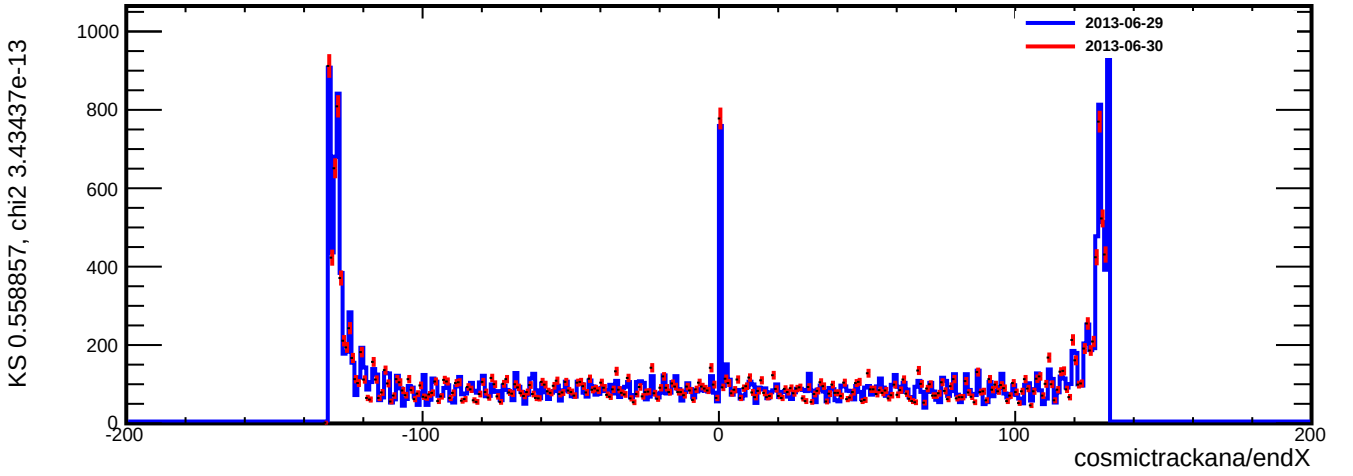

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

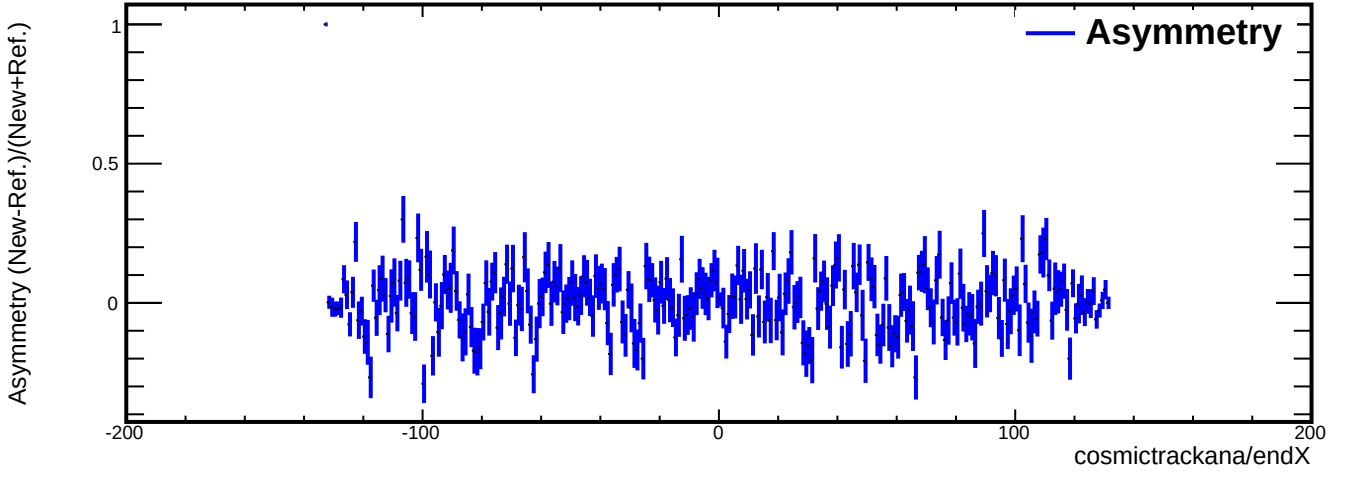

KS 0.000673987, chi2 3.9573e-06
2013-06-29
2013-06-30
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

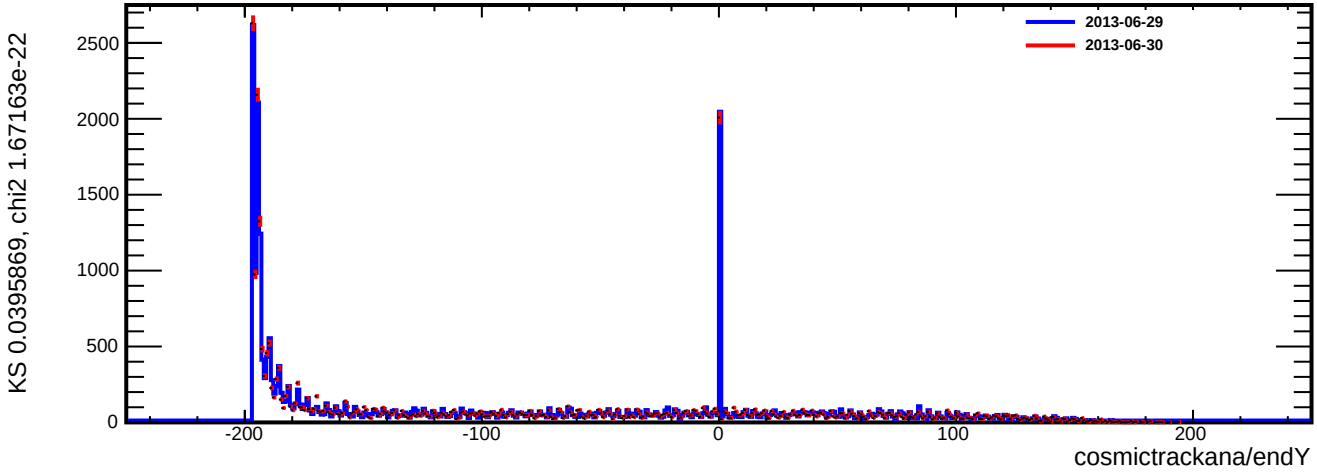

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

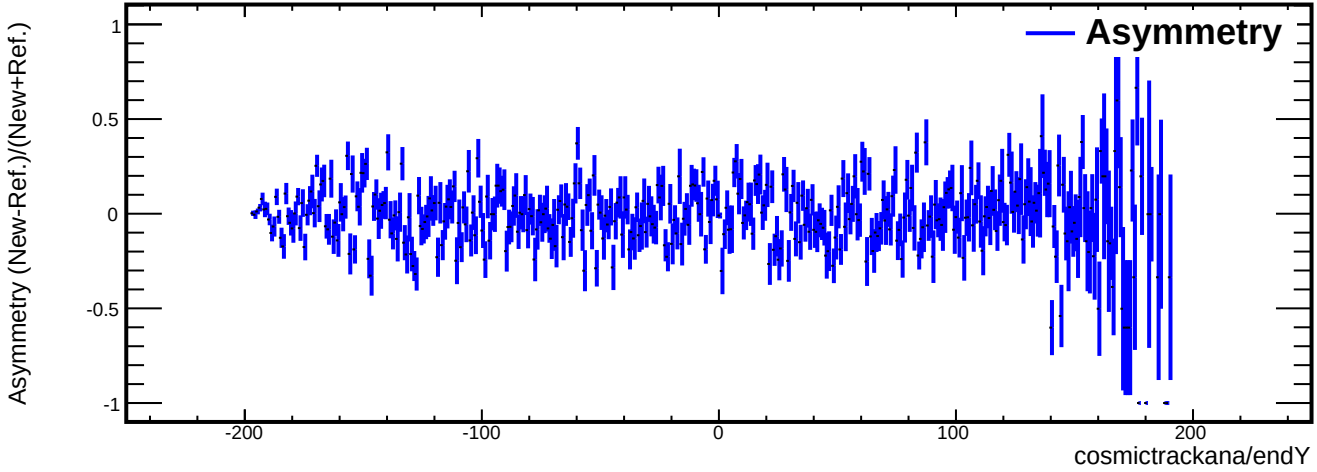

KS 0.054969, chi2 2.57921e-91
×10^3
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2013-06-29
2013-06-30
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
Asymmetry
CosmicAna/fDminHisto0

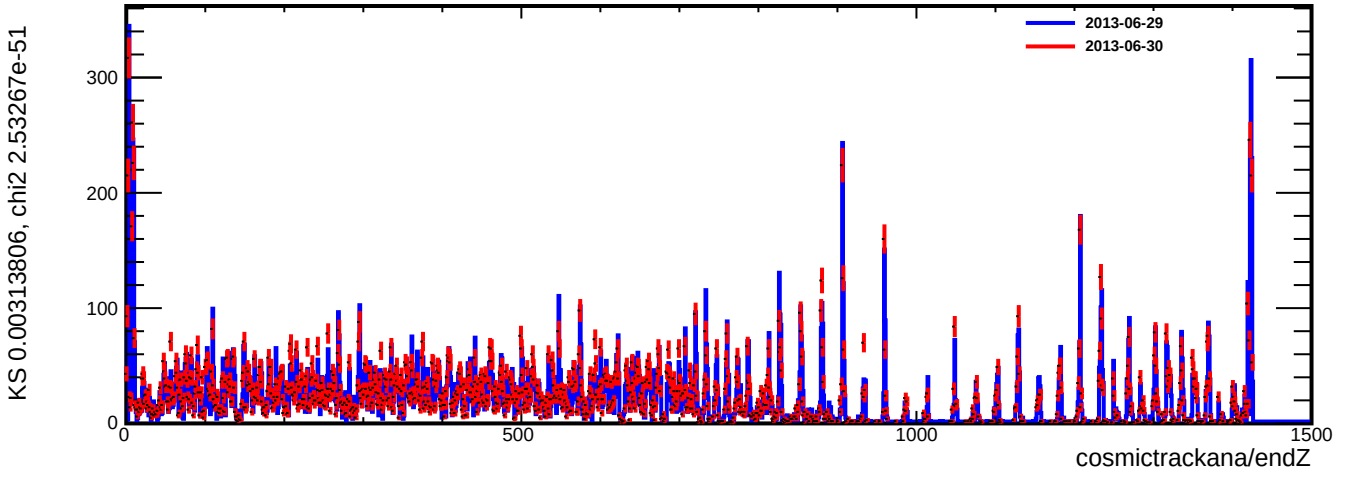

KS 0.0341152, chi2 0.459338
2013-06-29
2013-06-30
1200
1000
800
600
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ

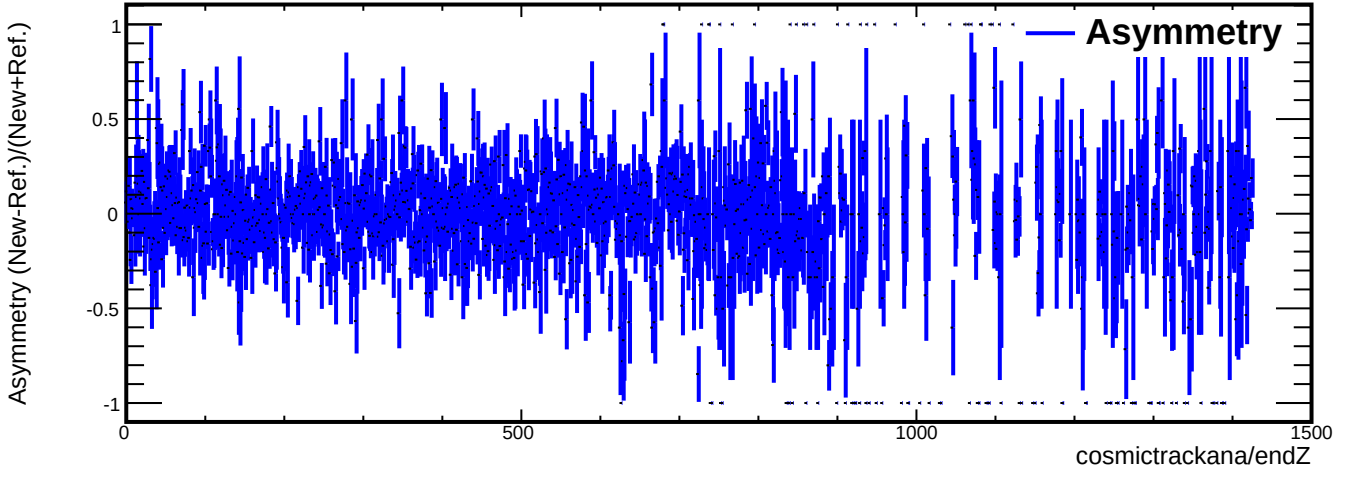

KS 0.558857, chi2 3.43437e-13
2013-06-29
2013-06-30
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

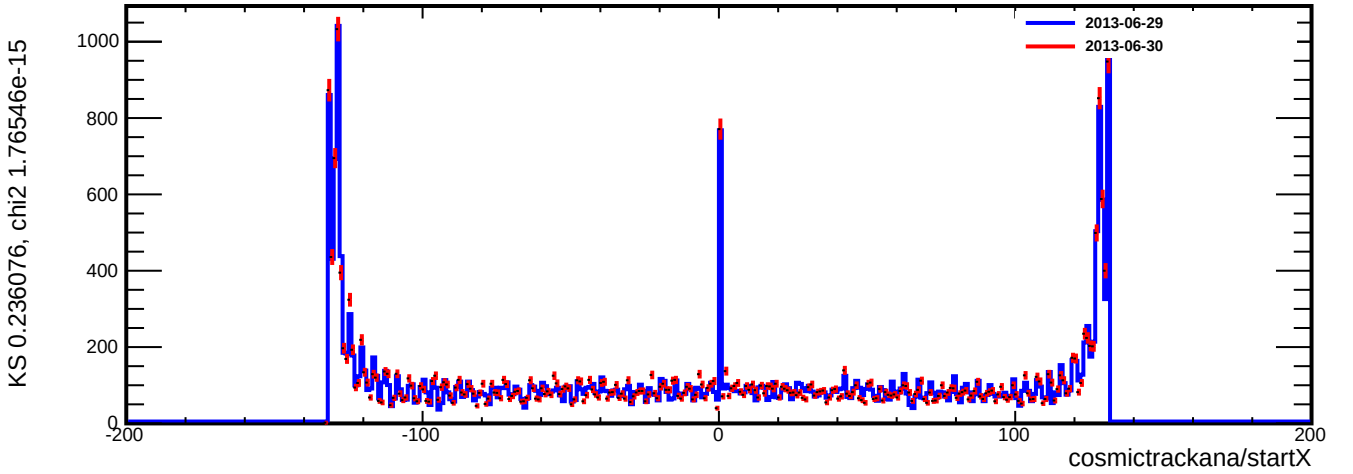

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/endX

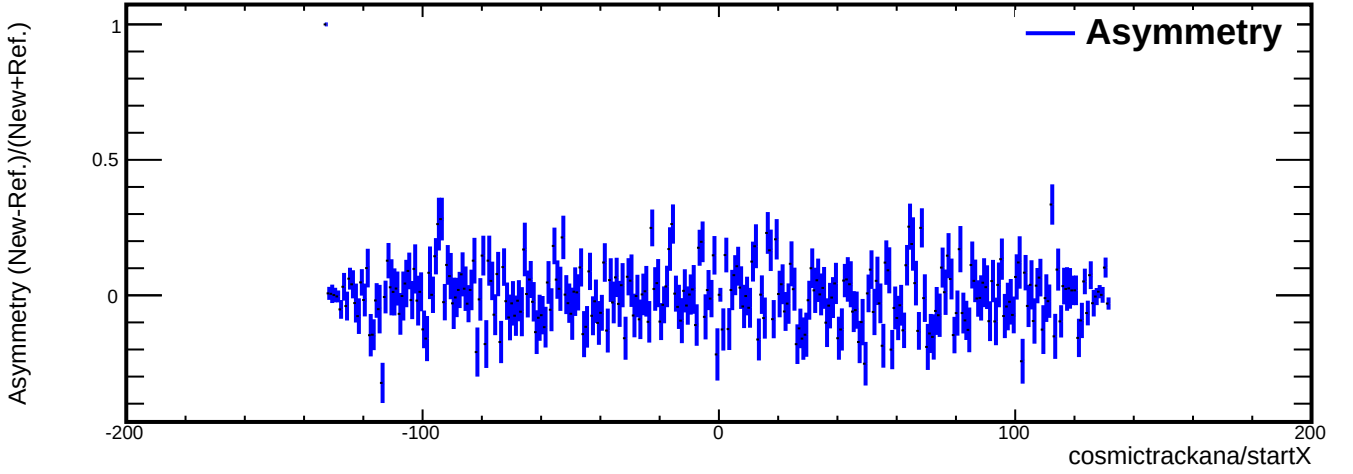

KS 0.0395869, chi2 1.67163e-22
2013-06-29
2013-06-30
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

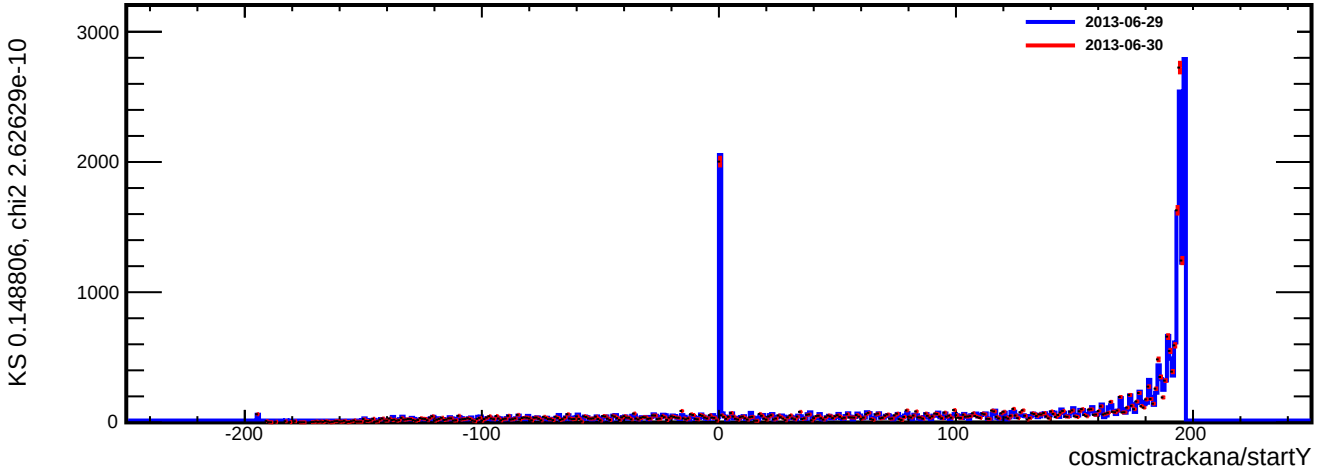

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

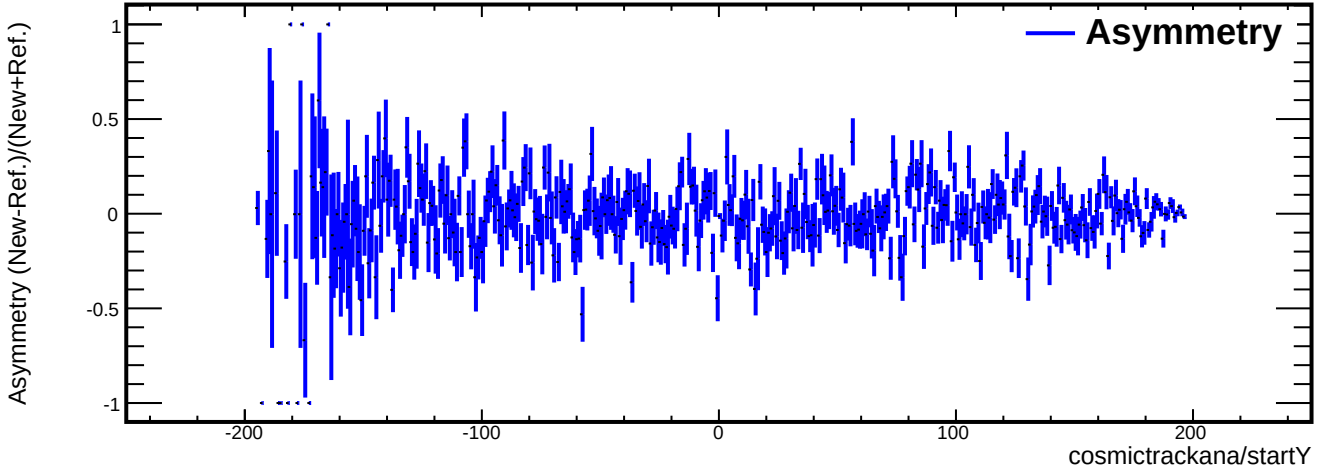

KS 0.00313806, chi2 2.53267e-51
2013-06-29
2013-06-30
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

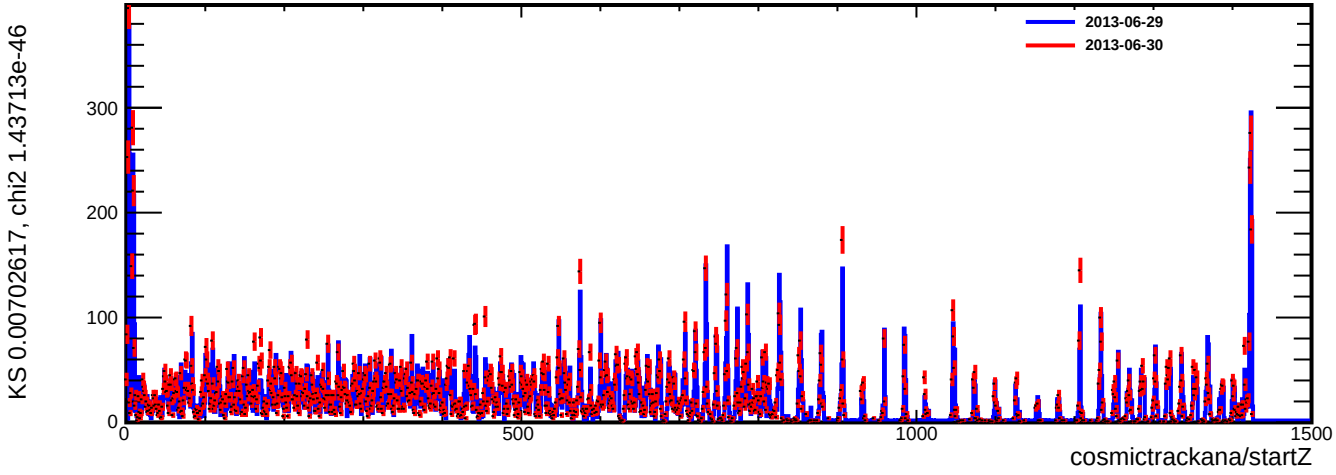

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

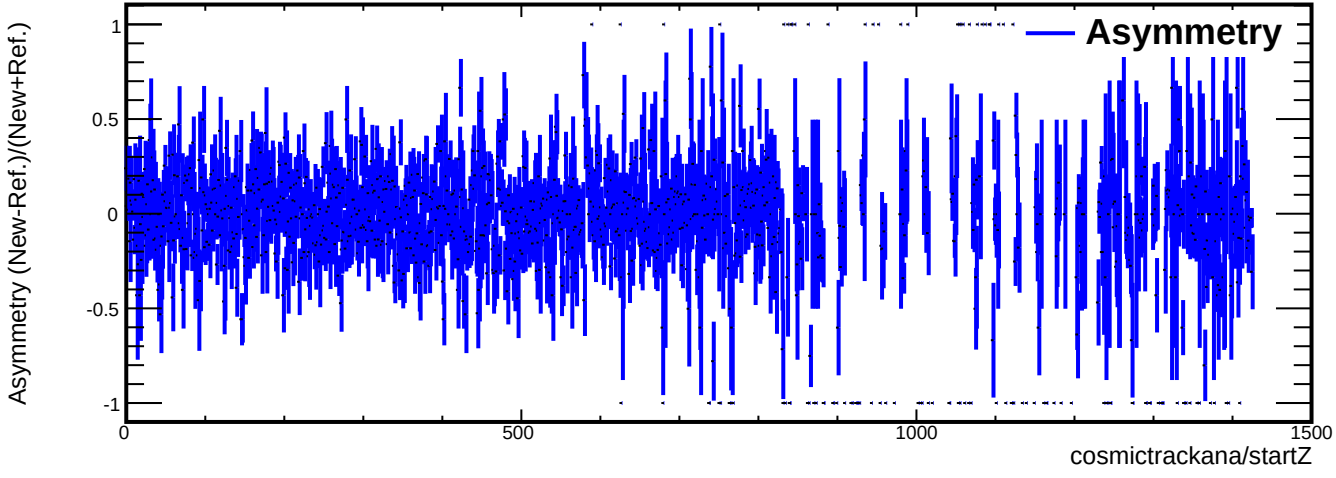

KS 0.236076, chi2 1.76546e-15
2013-06-29
2013-06-30
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

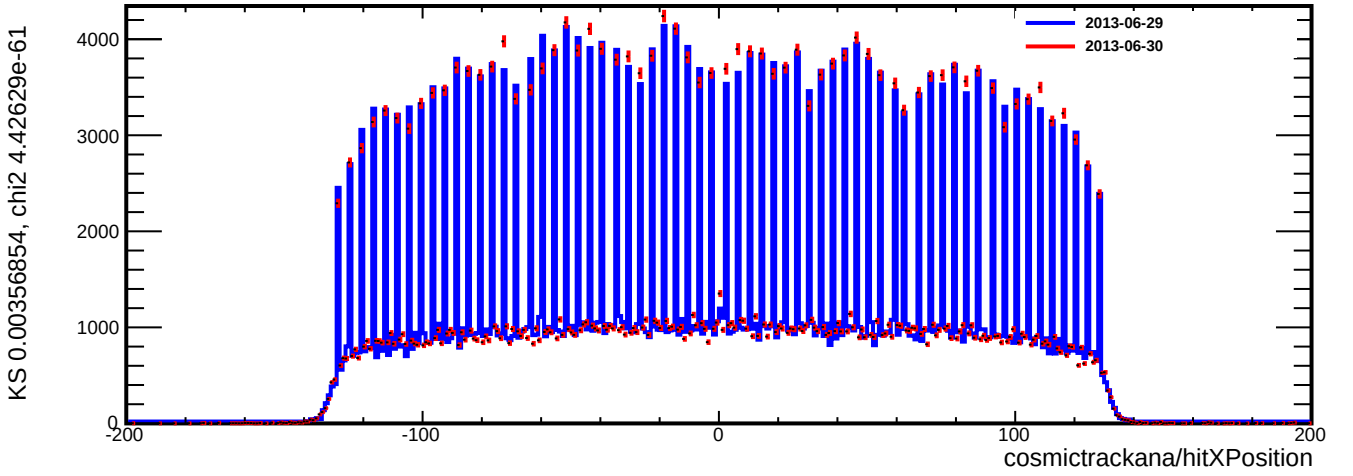

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/startX

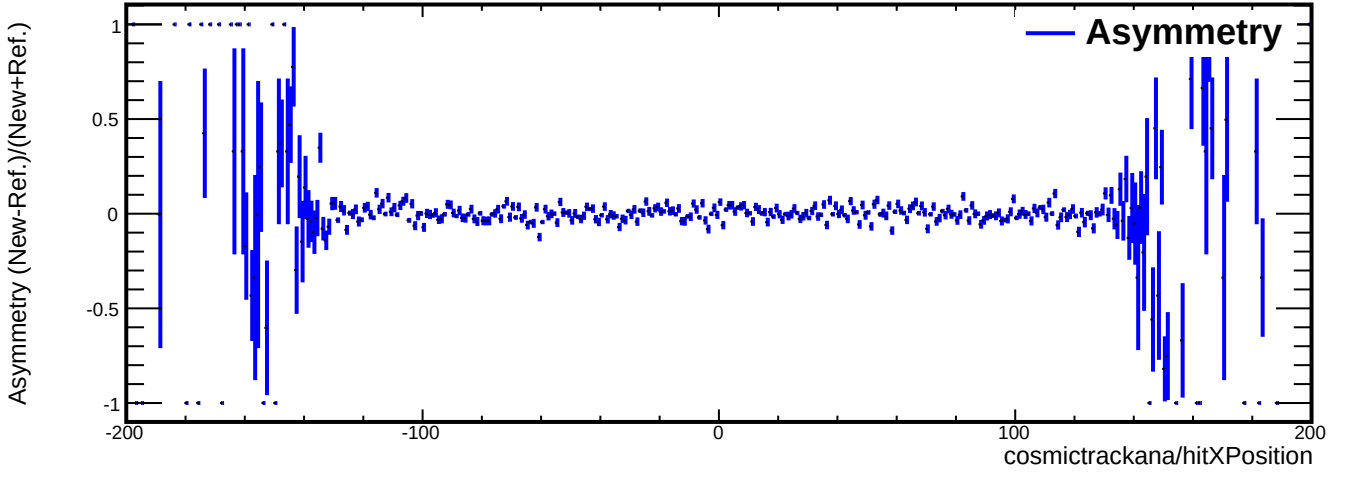

KS 0.148806, chi2 2.62629e-10
2013-06-29
2013-06-30
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

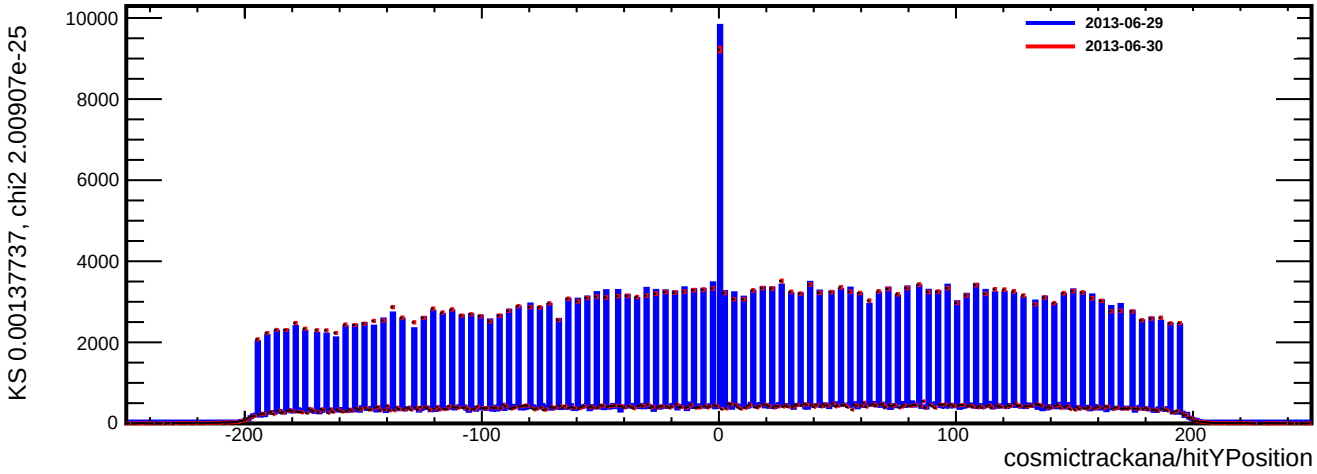

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

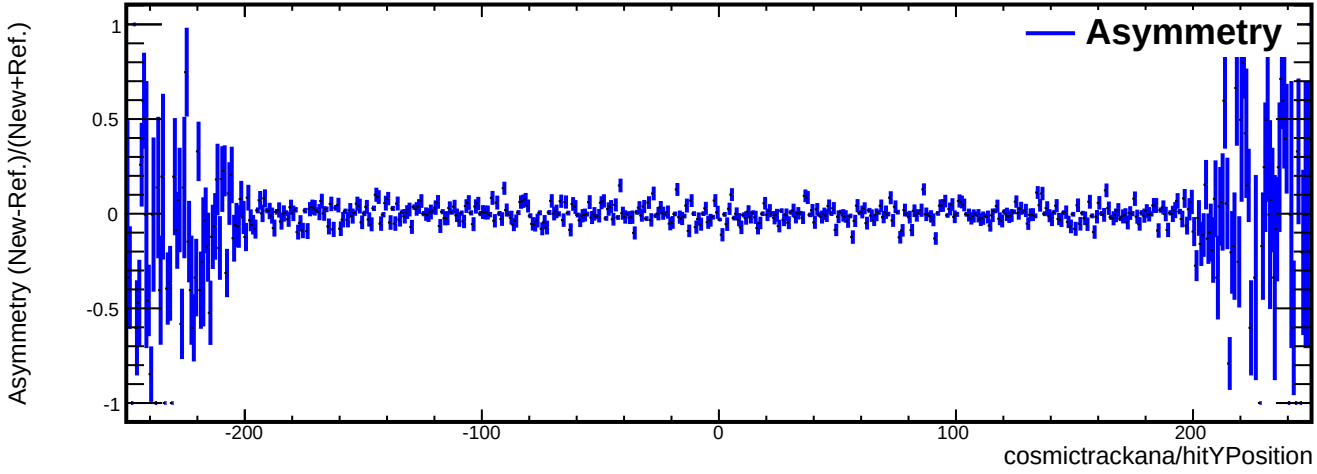

KS 0.00702617, chi2 1.43713e-46
2013-06-29
2013-06-30
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

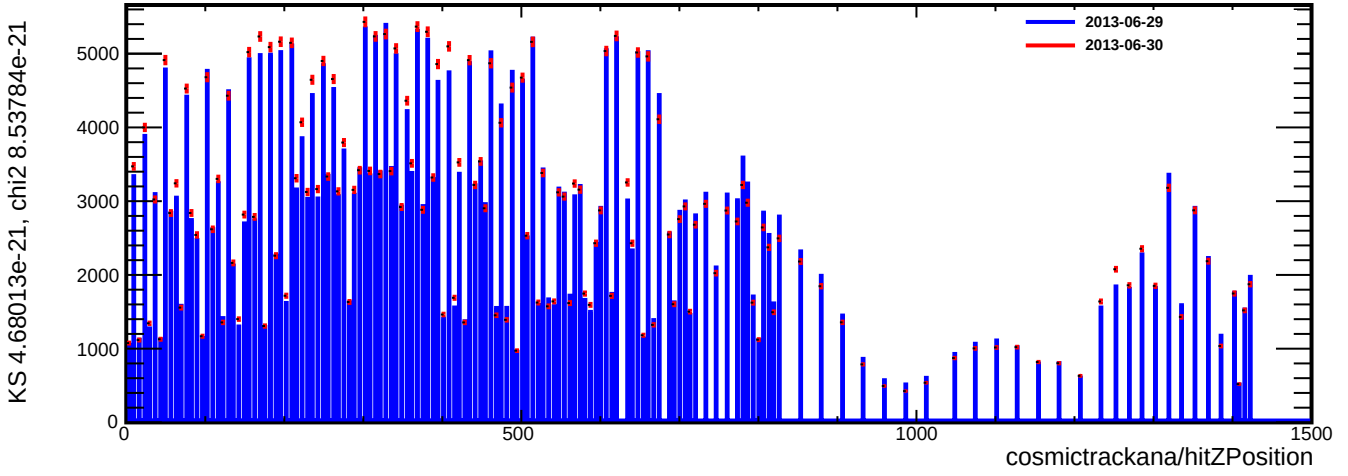

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

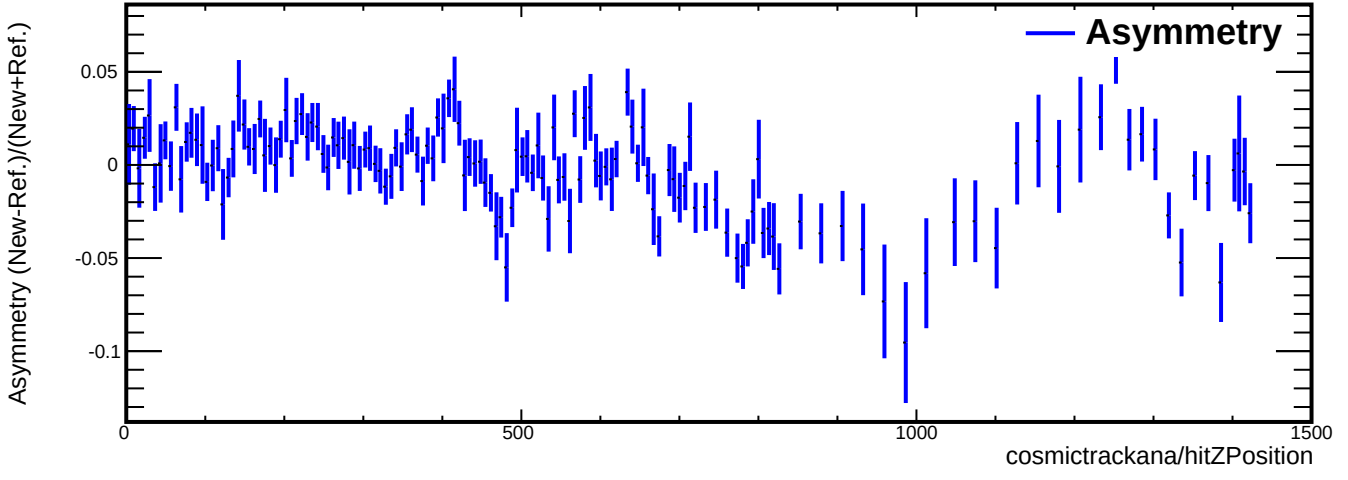

KS 0.00356854, chi2 4.42629e-61
2013-06-29
2013-06-30
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

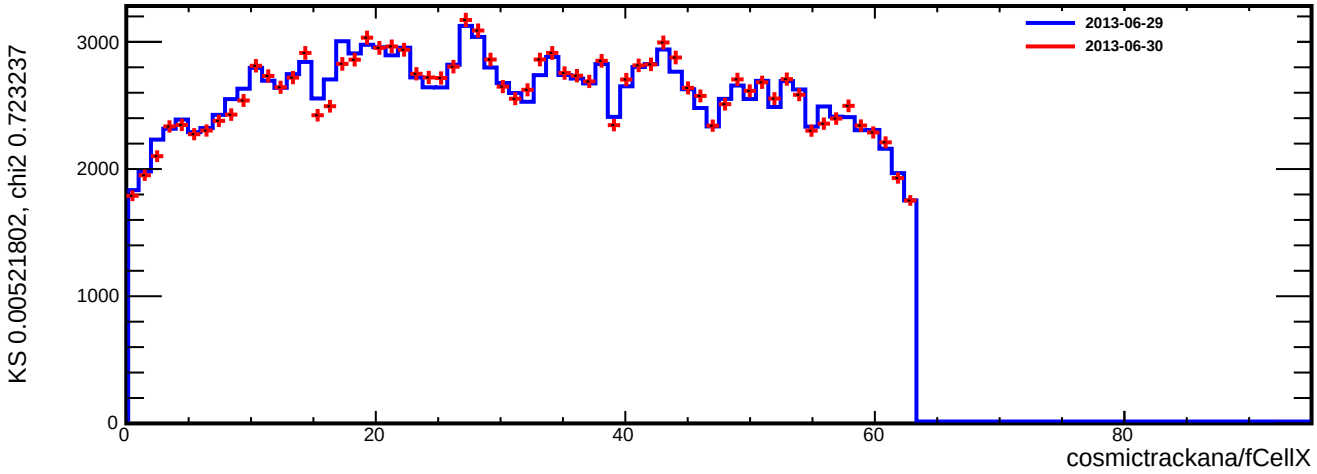

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

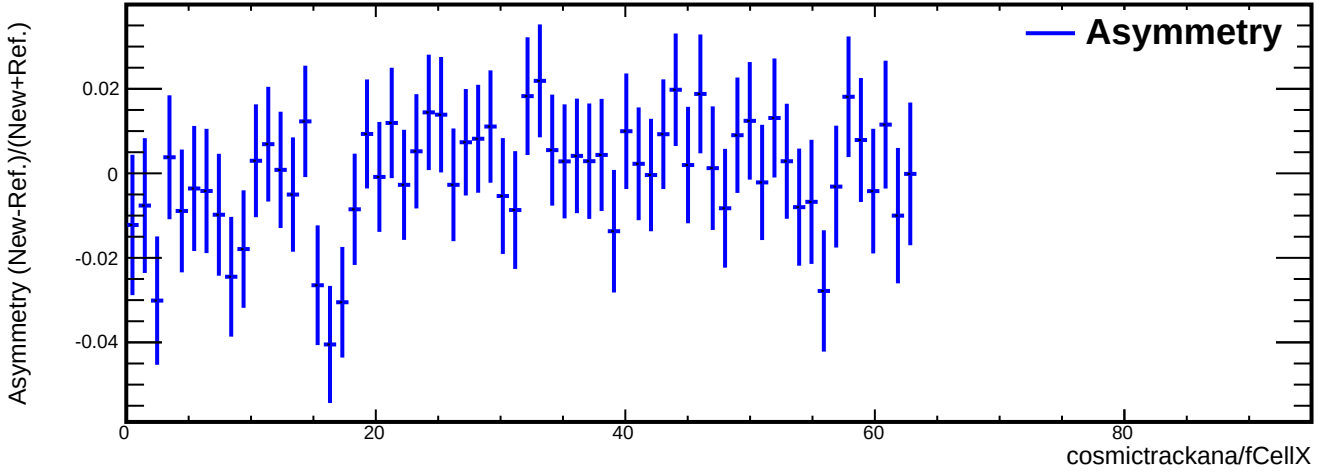

KS 0.00137737, chi2 2.00907e-25
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
2013-06-29
2013-06-30

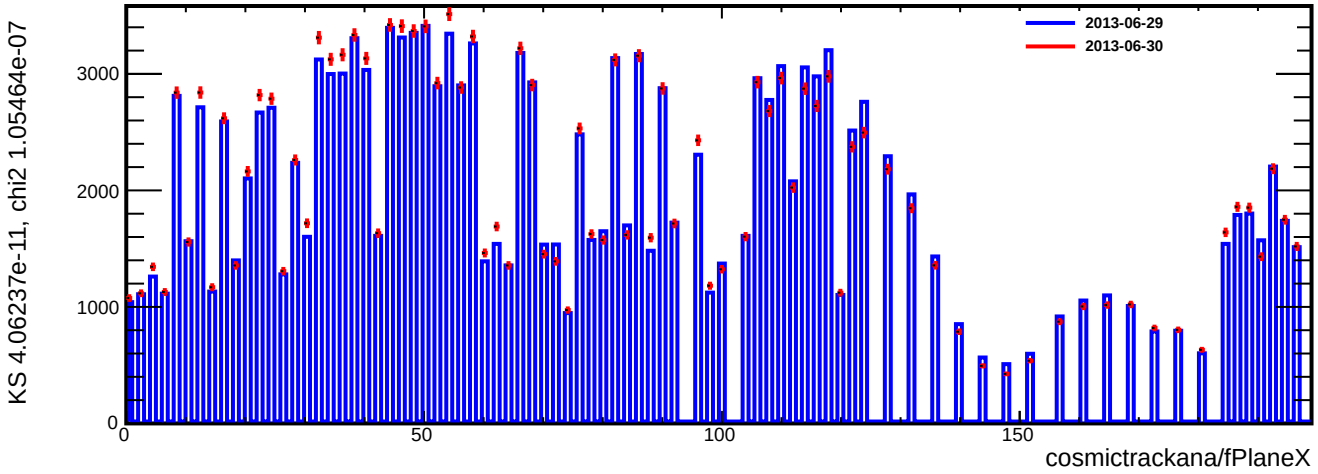

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition
Asymmetry

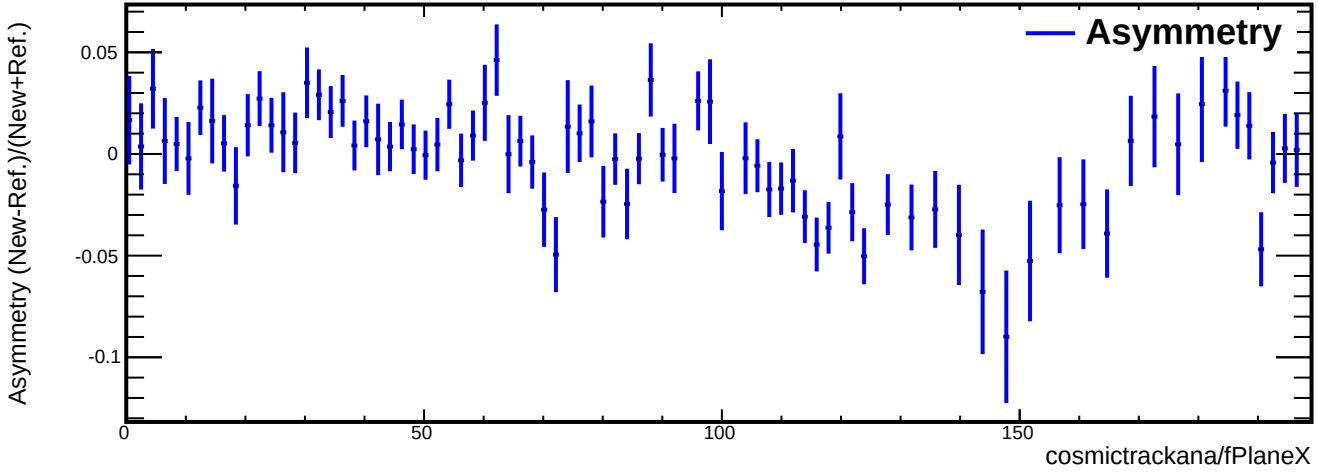

KS 4.68013e-21, chi2 8.53784e-21
2013-06-29
2013-06-30
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

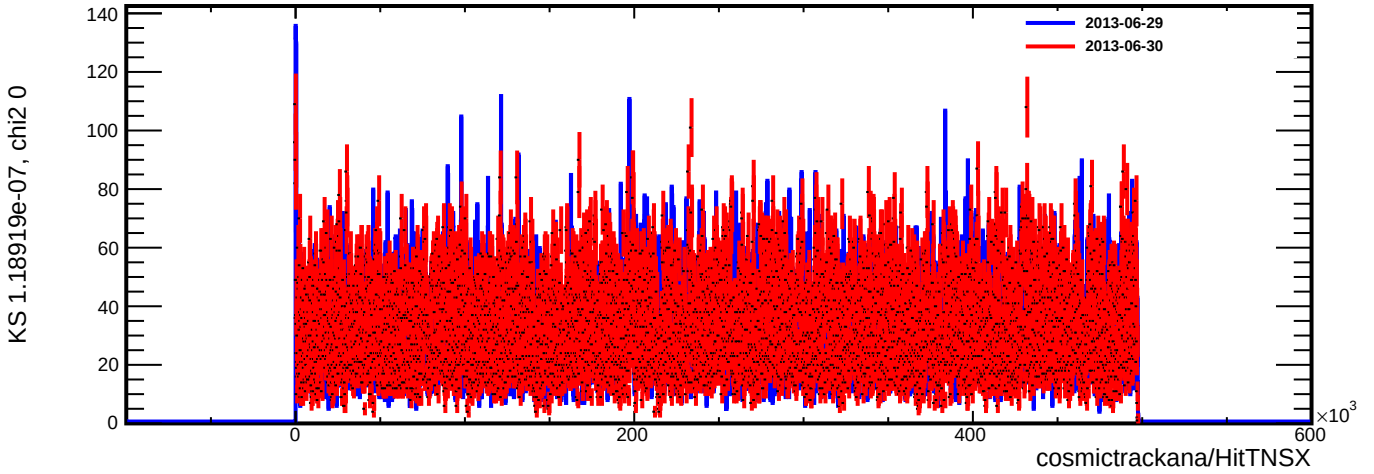

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

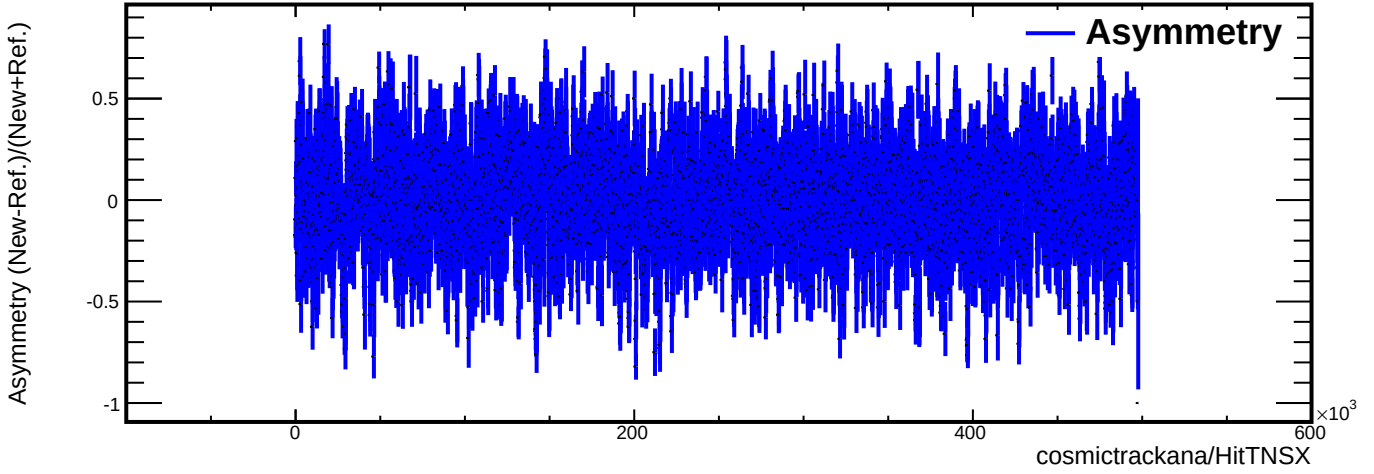

KS 0.00521802, chi2 0.723237
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX
2013-06-29
2013-06-30

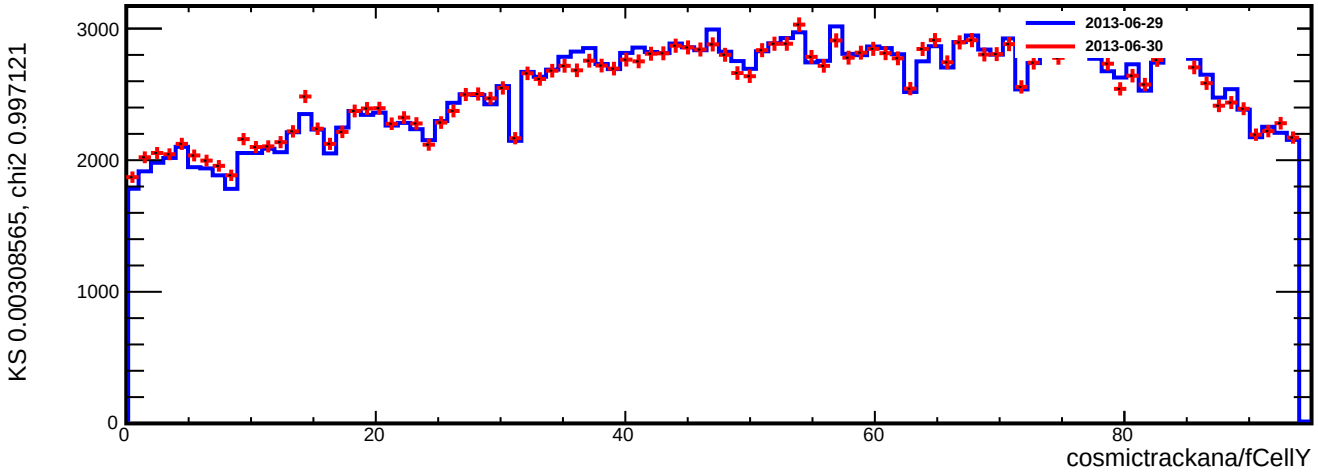

Asymmetry (New-Ref.)/(New+Ref.)
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX
Asymmetry

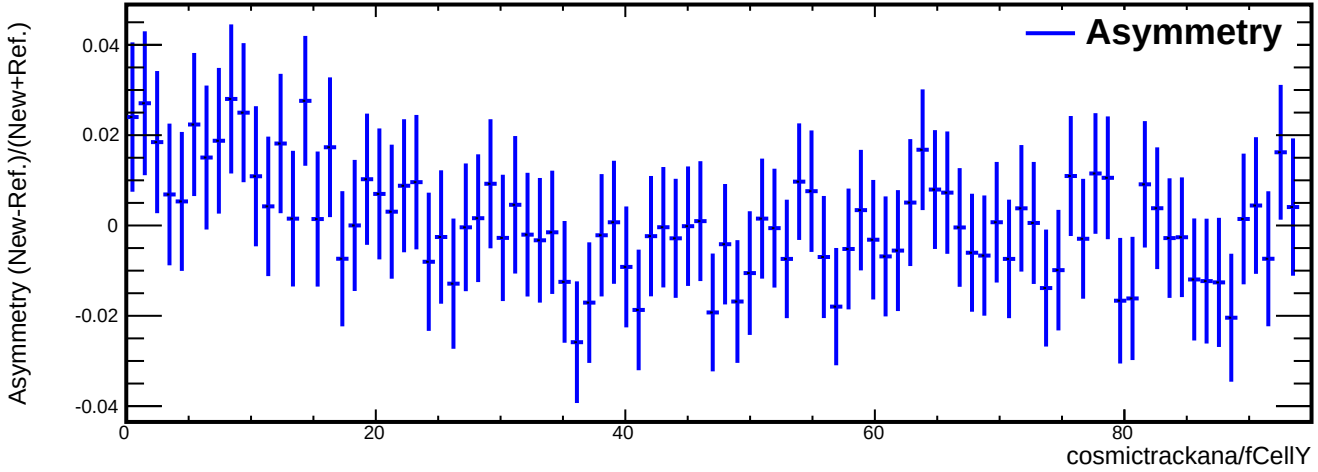

KS 4.06237e-11, chi2 1.05464e-07
2013-06-29
2013-06-30
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

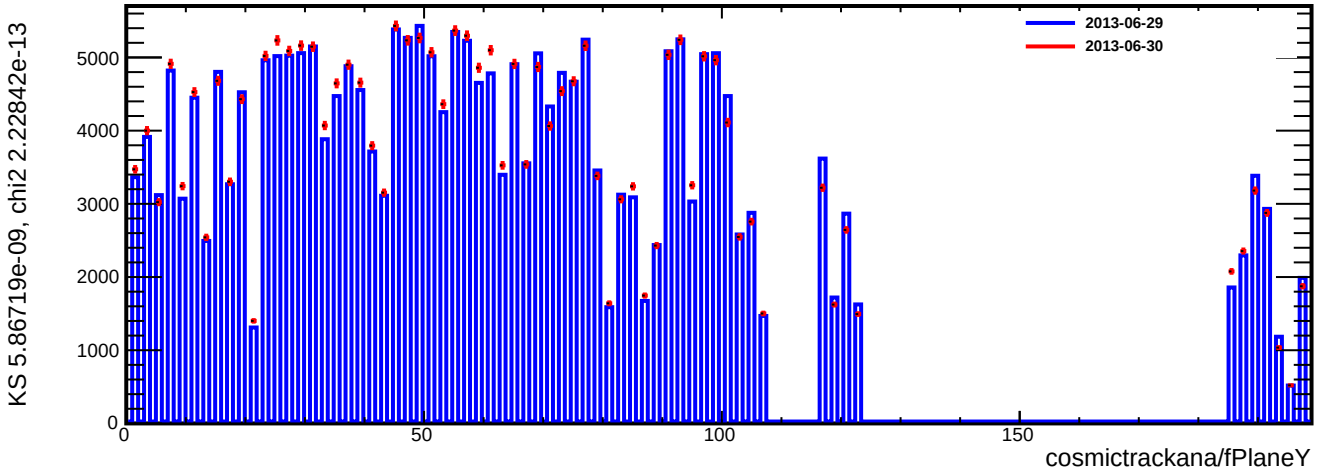

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

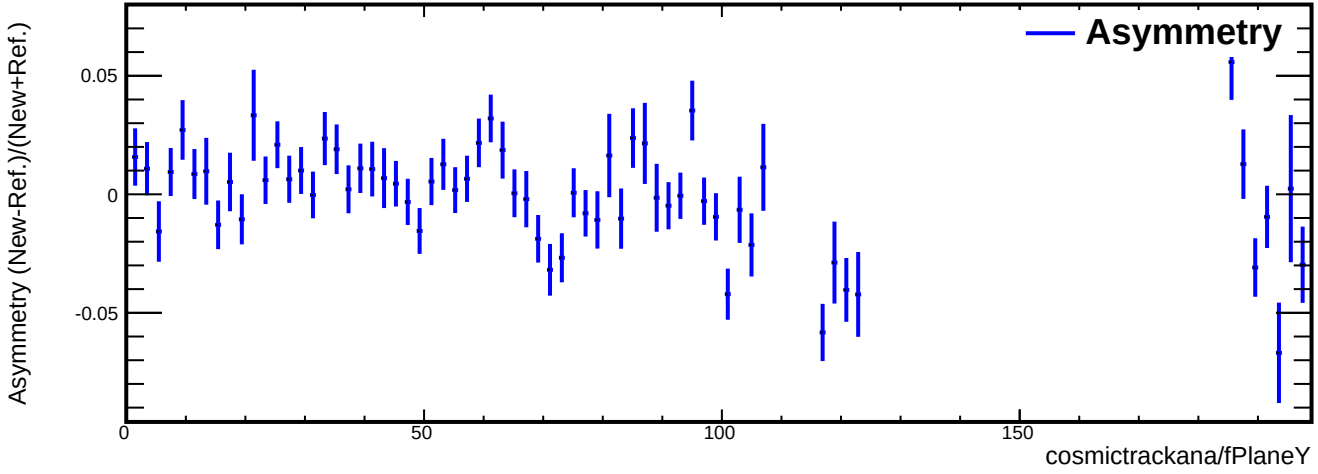

KS 1.18919e-07, chi2 0
2013-06-29
2013-06-30
140
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

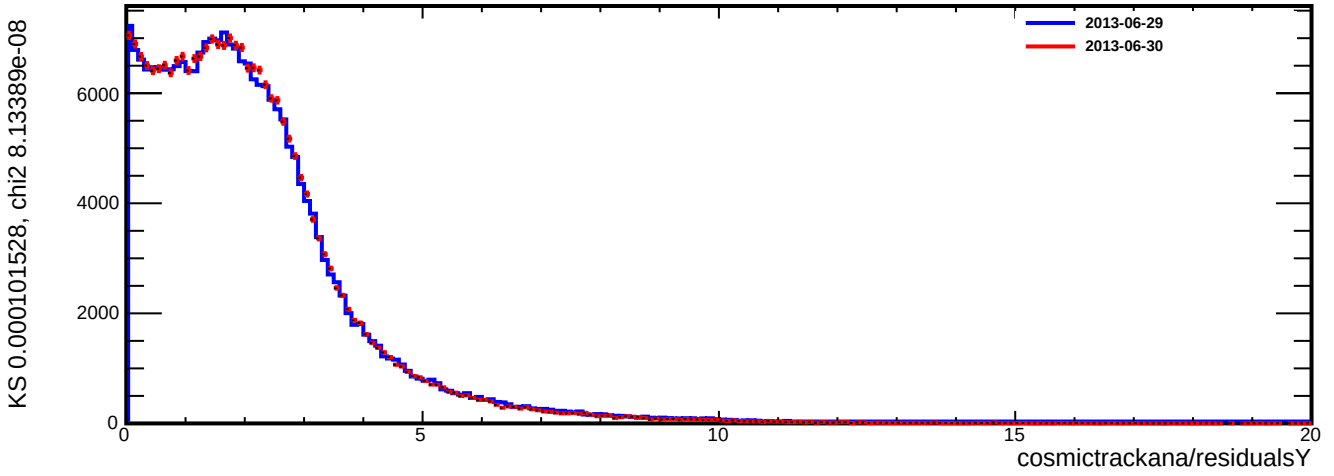

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

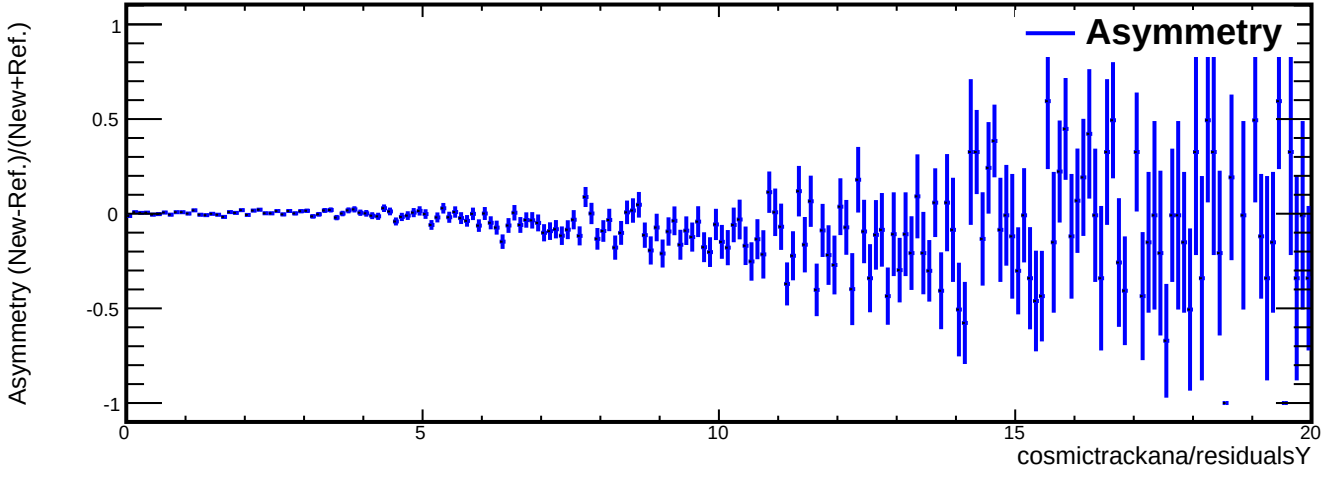

KS 0.00308565, chi2 0.997121
2013-06-29
2013-06-30
cosmictrackana/fCellY

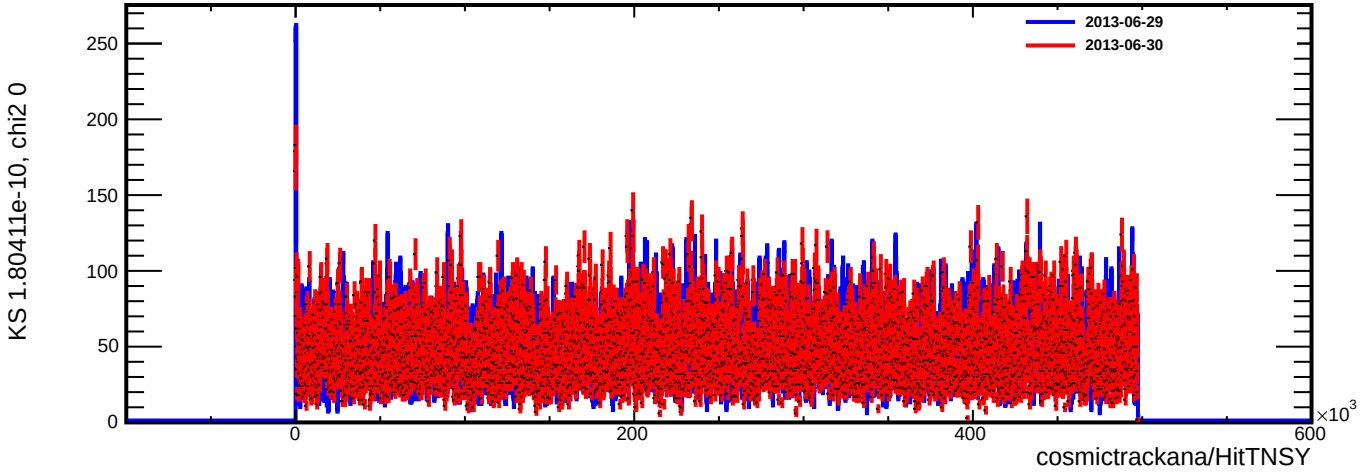

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/fCellY

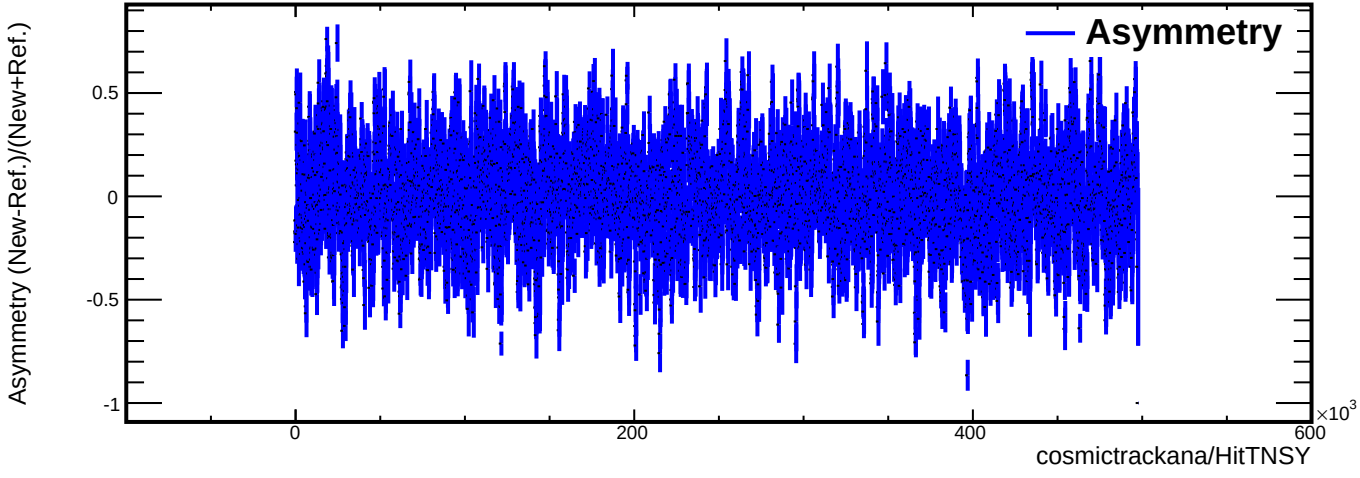

KS 5.86719e-09, chi2 2.22842e-13
2013-06-29
2013-06-30
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneY


KS 0.000101528, chi2 8.13389e-08
2013-06-29
2013-06-30
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsY


2013-06-29
2013-06-30
KS 1.80411e-10, chi2 0
250
200
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSY